

EXHIBIT 51

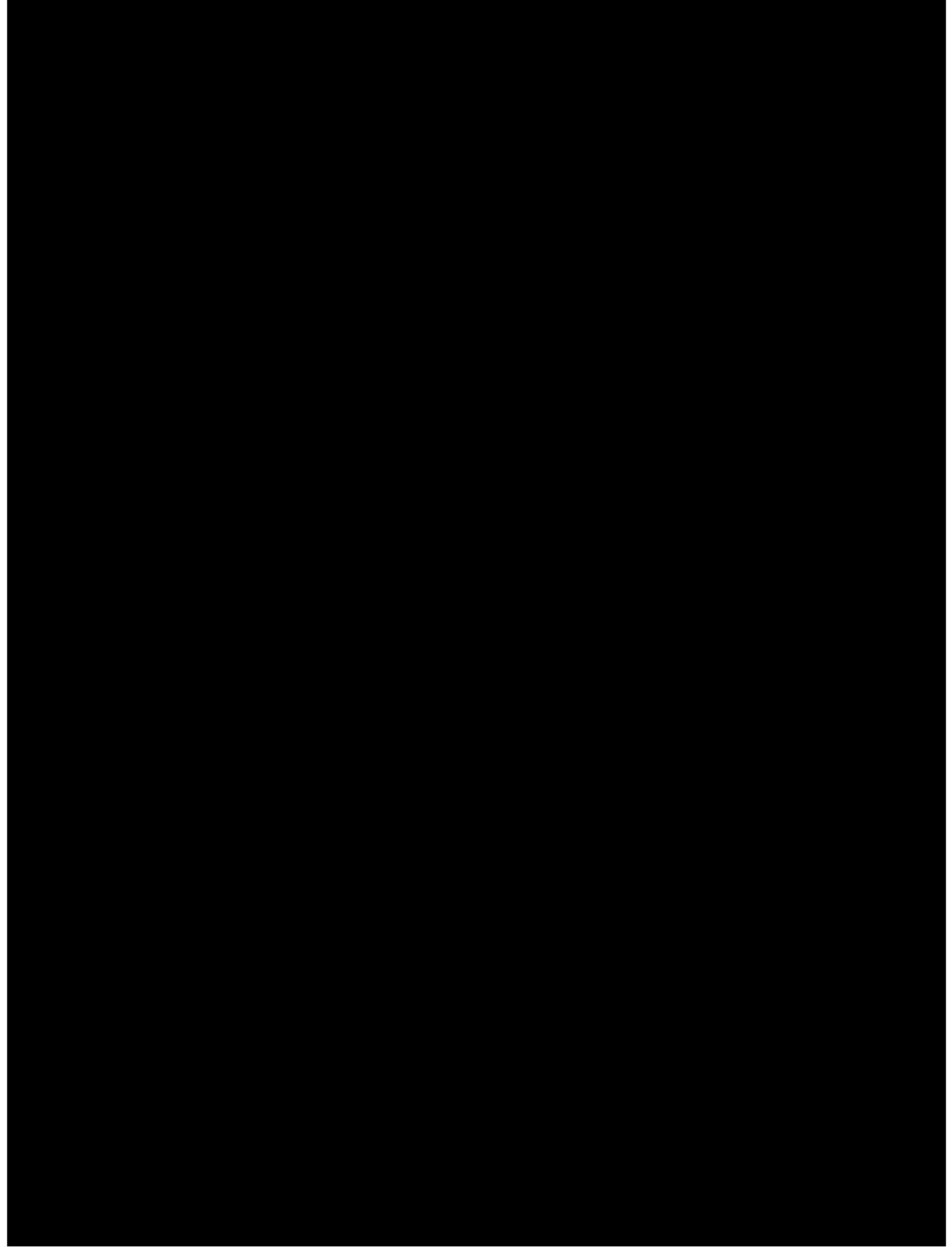


EXHIBIT 52

EXHIBIT 53

EXHIBIT 54

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Substitute for form 1449/PTO		Complete if Known	
		Application Number	13956087
		Filing Date	07/31/2013
		First Named Inventor	John Paul Foley, et al.
		Art Unit	
		Examiner Name	
Sheet	1	of	9
		Attorney Docket Number	PEL-1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		US- D532063	11-14-2006	Myong Han Kim, et al.	
		US- 7901323	03-08-2011	Brady A. Olson, et al.	
		US- 20010053735	12-20-2001	Michael Alvarez Cohen, et al.	
		US- 20070197345	08-23-2007	Gregory Allen Wallace, et al.	
		US- 7603255	10-13-2009	Charles Whipple Case, Jr., et al.	
		US- 8021270	09-20-2011	Michael D'Eredita	
		US- 8068858	11-29-2011	Jon H. Werner, et al.	
		US- 8092344	01-10-2012	Roberto Tagliabue	
		US- 20080096726	04-24-2008	Raymond W. Riley, et al.	
		US- 20080125288	05-29-2008	Charles Whipple Case	
		US- 5259611	11-09-1993	William I. Dalebout, et al.	
		US- 5645509	07-08-1997	Dane P. Brewer, et al.	
		US- 6059692	05-09-2000	Paul L. Hickman	
		US- 6458060	10-01-2002	Scott R. Watterson, et al.	
		US- 20110172059	07-14-2011	Scott Watterson, et al.	
		US- 6626799	09-20-2003	Scott R. Watterson, et al.	
		US- 6808472	10-26-2004	Paul L. Hickman	
		US- 6921351	07-26-2005	Paul L. Hickman, et al	
		US- 7556590	07-07-2009	Scott R. Watterson, et al.	

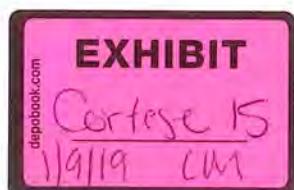
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Sheet **2**of **9**Application Number **13956087**Filing Date **07/31/2013**First Named Inventor **John Paul Foley, et al.**

Art Unit

Examiner Name

Attorney Docket Number **PEL-1****U. S. PATENT DOCUMENTS**

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	US- 7789800	09-07-2010	Scott R. Watterson, et al.		
	US- 20070254778	11-01-2007	Darren C. Ashby		
	US- 20110071003	03-24-2011	Scott E. Watterson, et al.		
	US- 4844451	07-04-1989	George B. Bersonnet, et al.		
	US- 4880225	11-14-1989	James F. Lucas, et al.		
	US- 4932650	06-12-1990	Curt G. Bingham, et al		
	US- 4955599	09-11-1990	George Bersonnet, et al.		
	US- 4971316	11-20-1990	William T. Dalebout, et al.		
	US- 4981294	01-01-1991	William T. Daleboul, et al.		
	US- 5000444	03-19-1991	William T. Daleboul, et al.		
	US- 5014980	05-14-1991	George B. Bersonnet, et al.		
	US- 5149312	09-22-1992	Harold B. Croft, et al.		
	US- 5203826	04-20-1993	William T. Daleboul		
	US- 5247853	09-28-1993	William T. Daleboul		
	US- 5259611	11-09-1993	William T. Daleboul, et al.		
	US- 5645509	07-08-1997	Dane P. Brewer, et al.		
	US- 6059692	05-09-2000	Paul J. Hickman		
	US- 6171217	01-09-2001	Gordon L. Cutler		
	US- 6458060	10-01-2002	Scott R. Watterson, et al.		

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		US- 6626799	09-30-2003	Scott R. Watterson, et al.	
		US- 6808472	10-26-2004	Paul L. Hickman	
		US- 6918858	07-19-2005	Scott R. Watterson, et al.	
		US- 6921351	07-26-2005	Paul L. Hickman, et al.	
		US- 6997852	02-14-2006	Scott R. Watterson, et al.	
		US- 7060006	06-13-2006	Scott R. Watterson, et al.	
		US- 7166062	01-23-2007	Scott R. Watterson, et al.	
		US- 7166064	01-23-2007	Scott R. Watterson, et al.	
		US- 7455622	11-25-2008	Scott R. Watterson, et al.	
		US- 7537546	05-26-2009	Scott R. Watterson, et al.	
		US- 7549947	06-23-2009	Paul L. Hickman	
		US- 7556590	07-07-2009	Scott R. Watterson, et al.	
		US- 7575536	08-28-2009	Paul L. Hickman	
		US- 7625315	12-01-2009	Paul L. Hickman	
		US- 7637847	12-29-2009	Paul L. Hickman	
		US- 7645213	01-12-2010	Scott R. Watterson, et al.	
		US- 7789800	09-07-2010	Scott R. Watterson, et al.	
		US- 7857731	12-29-2010	Paul L. Hickman, et al.	
		US- 7862478	01-04-2011	Scott R. Watterson, et al.	

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		Art Unit	
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Sheet	4	of	9
		Attorney Docket Number	

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of

9

Attorney Docket Number

PEL-1

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		Number-Kind Code ² (<i>if known</i>)	MM-DD-YYYY		
	US- 7980996		07-19-2011	Paul L. Hickman	
	US- 7981000		07-19-2011	Scott R. Watterson, et al.	
	US- 8298123		10-30-2012	Paul L. Hickman	
	US- 20070254778		11-01-2007	Darren C. Ashby	
	US- 20110071003		03-24-2011	Scott R. Watterson, et al.	
	US- 20110172059		07-14-2011	Scott R. Watterson, et al.	
	US- 5512025		04-20-1996	William T. Dalebout, et al.	
	US- 5527245		06-18-1996	William T. Dalebout, et al.	
	US- 5529553		06-25-1996	Kurt E. Finlayson	
	US- 5591106		01-07-1997	William T. Dalebout, et al.	
	US- 5595556		01-21-1997	William T. Dalebout, et al.	
	US- 5645509		07-08-1997	Dane P. Brewer, et al.	
	US- 5662557		09-02-1997	Scott R. Watterson, et al.	
	US- 5669857		09-23-1997	Scott R. Watterson, et al.	
	US- 5672140		09-30-1997	Scott R. Watterson, et al.	
	US- 5674156		10-07-1997	Scott R. Watterson, et al.	
	US- 5674453		10-07-1997	Scott R. Watterson, et al.	
	US- 5676624		10-14-1997	Scott R. Watterson, et al.	
	US- 5683332		11-04-1997	Scott R. Watterson, et al.	

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		US- 5702325	12-30-1997	Scott R. Watterson, et al.	
		US- 5704879	01-06-1998	Scott R. Watterson, et al.	
		US- 5718657	02-17-1998	William T. Dalebout, et al.	
		US- 5722922	03-03-1998	Scott R. Watterson, et al.	
		US- 5743833	04-28-1998	Scott R. Watterson, et al.	
		US- 5772560	06-30-1998	Scott R. Watterson, et al.	
		US- 5827155	10-27-1998	Jon F. Jensen, et al.	
		US- 5860893	01-19-1999	Scott R. Watterson, et al.	
		US- 5860894	01-19-1999	William T. Dalebout, et al.	
		US- 5899834	05-04-1999	William T. Dalebout, et al.	
		US- 6033347	03-07-2000	William T. Dalebout, et al.	
		US- 6280362	08-28-2001	William T. Dalebout, et al.	
		US- 6312363	11-06-2001	Scott R. Watterson, et al.	
		US- 6350218	02-26-2002	William T. Dalebout, et al.	
		US- 6458060	10-01-2002	Scott R. Watterson, et al.	
		US- 6471622	10-29-2002	Rodney L. Hammer, et al.	
		US- 6626799	09-30-2003	Scott R. Watterson, et al.	
		US- 6730002	05-04-2004	Patrick Hald, et al.	
		US- 6761667	07-13-2004	Gordon L. Cutler, et al.	

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		US- 7537546	05-26-2009	Scott R. Watterson, et al.	
		US- 7537549	05-26-2009	Gerald Nelson, et al.	
		US- 7540828	06-02-2009	Scott R. Watterson, et al.	
		US- 7549947	06-23-2009	Paul L. Hickman, et al.	
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		US- 7618350	11-17-2009	William T. Dalebout, et al	
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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	13956087
Sheet 7 of 9		Filing Date	07/31/2013
		First Named Inventor	John Paul Foley, et al.
		Art Unit	
		Examiner Name	
		Attorney Docket Number	PEL-1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² <i>(if known)</i>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 7628730	12-08-2009	Scott R. Watterson, et al.	
		US- 7637847	12-29-2009	Paul L. Hickman	
		US- 7645212	01-12-2010	Darren C. Ashby, et al.	
		US- 7658698	02-09-2010	Chad R. Pacheco, et al.	
		US- 7674205	03-09-2010	William T. Dalebout, et al.	
		US- 7713171	05-11-2010	Paul L. Hickman	
		US- 7713172	05-11-2010	Scott R. Watterson, et al.	
		US- 7717828	05-18-2010	Roy Simonson, et al.	
		US- 7740563	06-22-2010	William T. Dalebout, et al.	
		US- 7766797	08-03-2010	William T. Dalebout, et al.	
		US- 7775940	08-17-2010	William T. Dalebout, et al.	
		US- 7789800	09-07-2010	Scott R. Watterson, et al.	
		US- 7857731	12-28-2010	Paul L. Hickman, et al.	
		US- 7862478	01-04-2011	Scott R. Watterson, et al.	
		US- 7862483	01-04-2011	Rick W. Hendrickson, et al.	
		US- 7909740	03-22-2011	William T. Dalebout, et al.	
		US- 7980996	07-19-2011	Paul L. Hickman	
		US- 7981000	07-19-2011	Scott R. Watterson, et al.	
		US- 8029415	10-04-2011	Darren C. Ashby, et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ <i>(if known)</i>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
					T ⁶

Examiner Signature	Date Considered
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08a (07-09)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	13956087
		Filing Date	07/31/2013
		First Named Inventor	John Paul Foley, et al.
		Art Unit	
		Examiner Name	
Sheet	8	of	9
		Attorney Docket Number	PEL-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U. S. PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Document Number Number-Kind Code ² if known	Publication Date MM-DD-YYYY		
	US- 8298123		10-30-2012	Paul L. Hickman	
	US- 20080051256		02-28-2008	Darren C. Ashby, et al.	
	US- 20080300110		12-04-2008	Tony Smith, et al.	
	US- 7575536		08-18-2009	Paul L. Hickman	
	US- 6902513		06-07-2005	Daniel R. McClure	
	US- 20080096725		04-24-2008	Dennis L. Keiser	
	US- 7874957		01-25-2011	Elisa Hurwitz, et al.	
	US- 20080015089		01-17-2008	Elisa Hurwitz, et al.	
	US- 6921351		07-26-2005	Paul L. Hickman, et al.	
	US- 7465257		12-16-2008	Robert Bowman Morgan, Jr	
	US- 20070232452		10-04-2007	Reed Hanoun	
	US- 20090098980		04-16-2009	Roland M. Waters	
	US- 20090233769		09-17-2009	Timothy Pryor	
	US- 5089960		02-18-1992	James S. Sweeney, Jr.	
	US- 5462503		10-31-1995	Michael H. Benjamin, et al.	
	US- 5466200		11-14-1995	W. Thatcher Ulrich, et al.	
	US- 5690582		11-25-1997	W. Thatcher Ulrich, et al.	
	US- 5888172		03-30-1999	Bryan DeWitt Andrus, et al.	
	US- 5890995		04-06-1999	Aaron F. Bobick, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Sheet 9 of 9		Attorney Docket Number	PEL-1

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² <i>(if known)</i>			
		US- 6059692	05-09-2000	Paul L. Hickman	
		US- 6155927	12-05-2000	Jacques Levasseur, et al.	
		US- 6283896	09-04-2001	Sarah Grunfeld, et al.	
		US- 6749537	06-15-2004	Paul L. Hickman	
		US- 6808472	10-26-2004	Paul L. Hickman	
		US- 6921351	07-26-2005	Paul L. Hickman, et al.	
		US- 7060006	06-12-2006	Scott R. Watterson, et al.	
		US- 7166064	01-23-2007	Scott R. Watterson, et al.	
		US- RE36574	02-15-2000	Peter Hochstein, et al.	
		US- 5213555	05-25-1993	Robert L. Hood, et al.	
		US- 20100234185	09-16-2010	Jonathan B. Watt, et al.	
		US- 532063	11-14-2006	Myong Han Kim, et al.	
		US-			

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

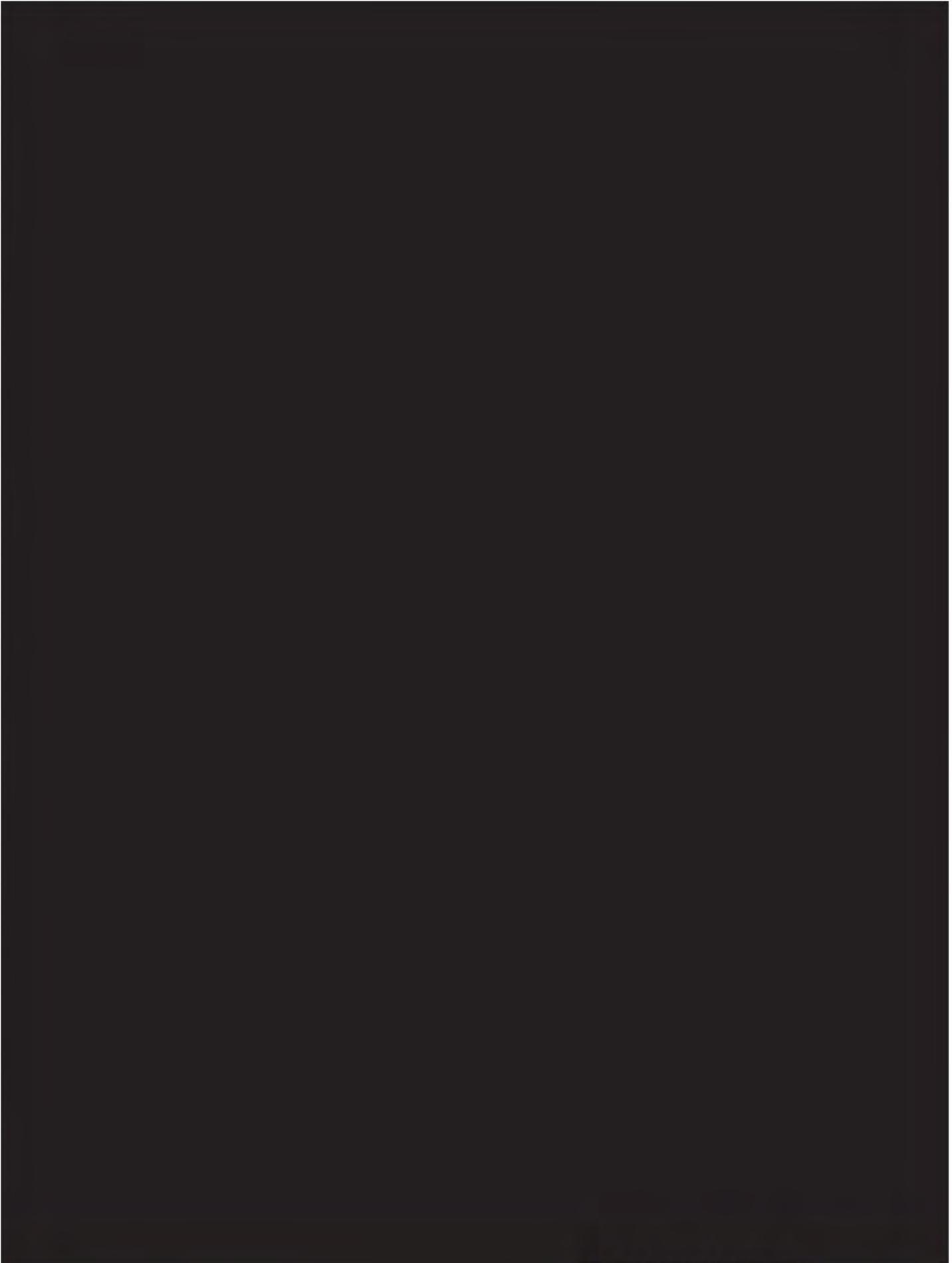
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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

EXHIBIT 55



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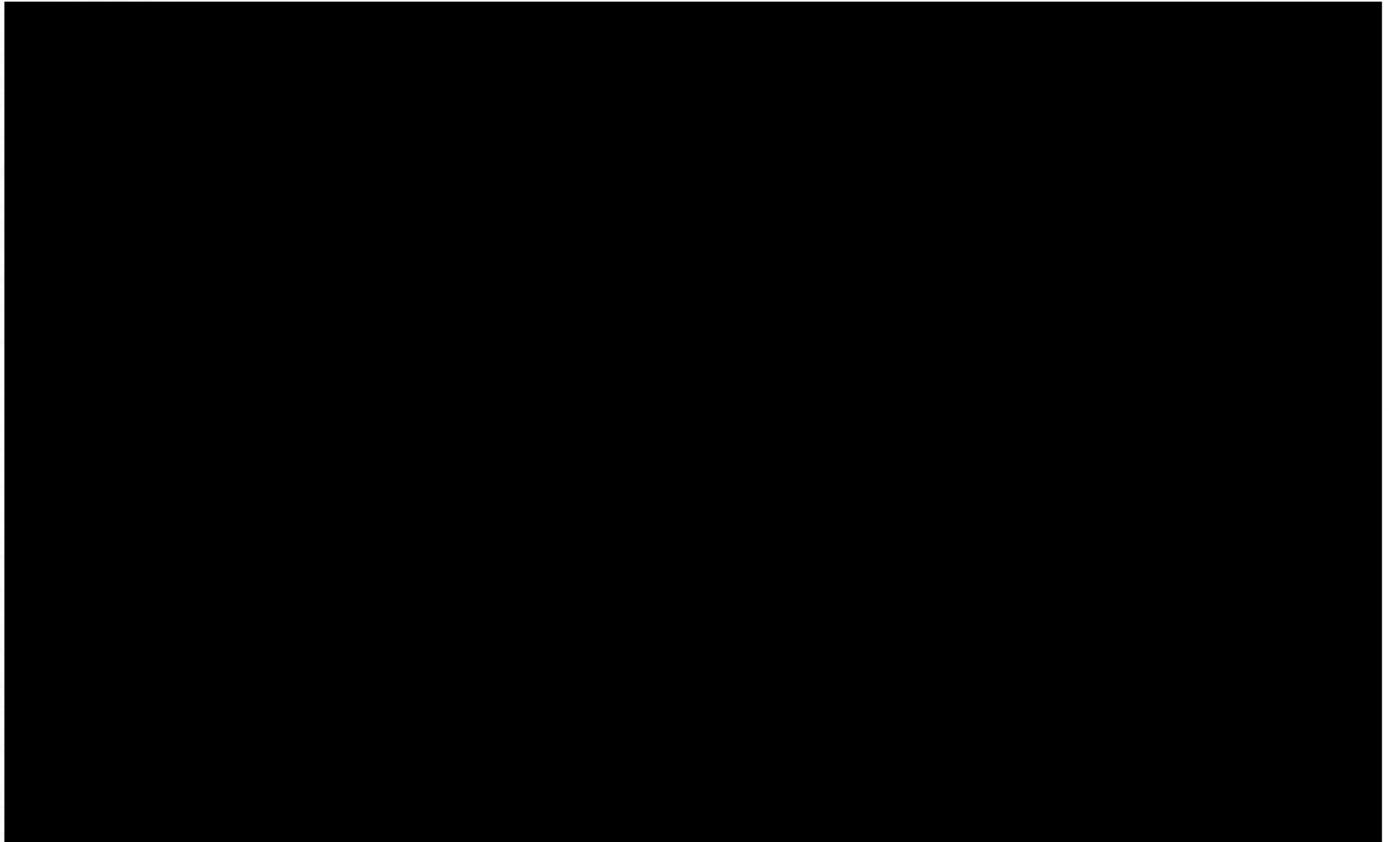
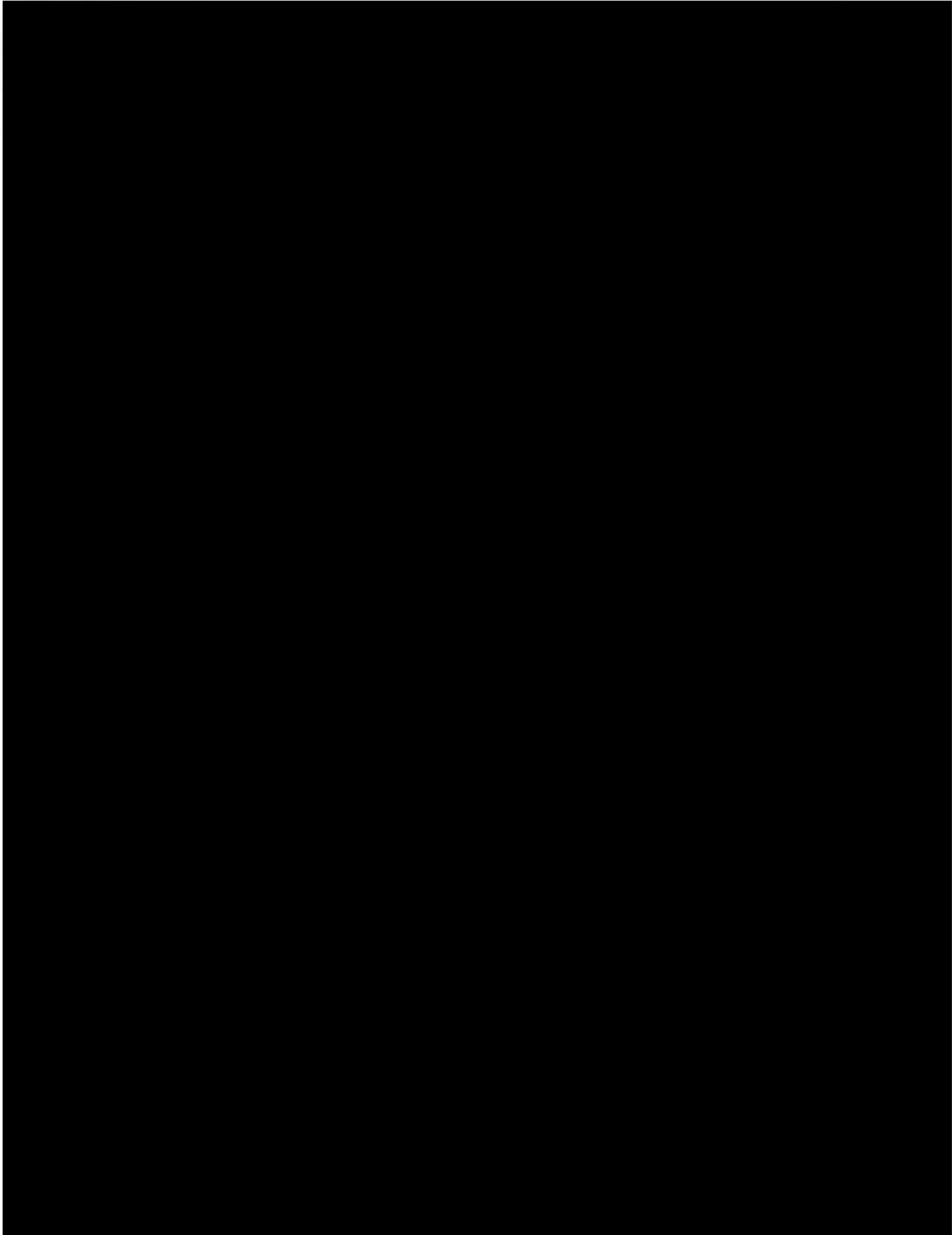
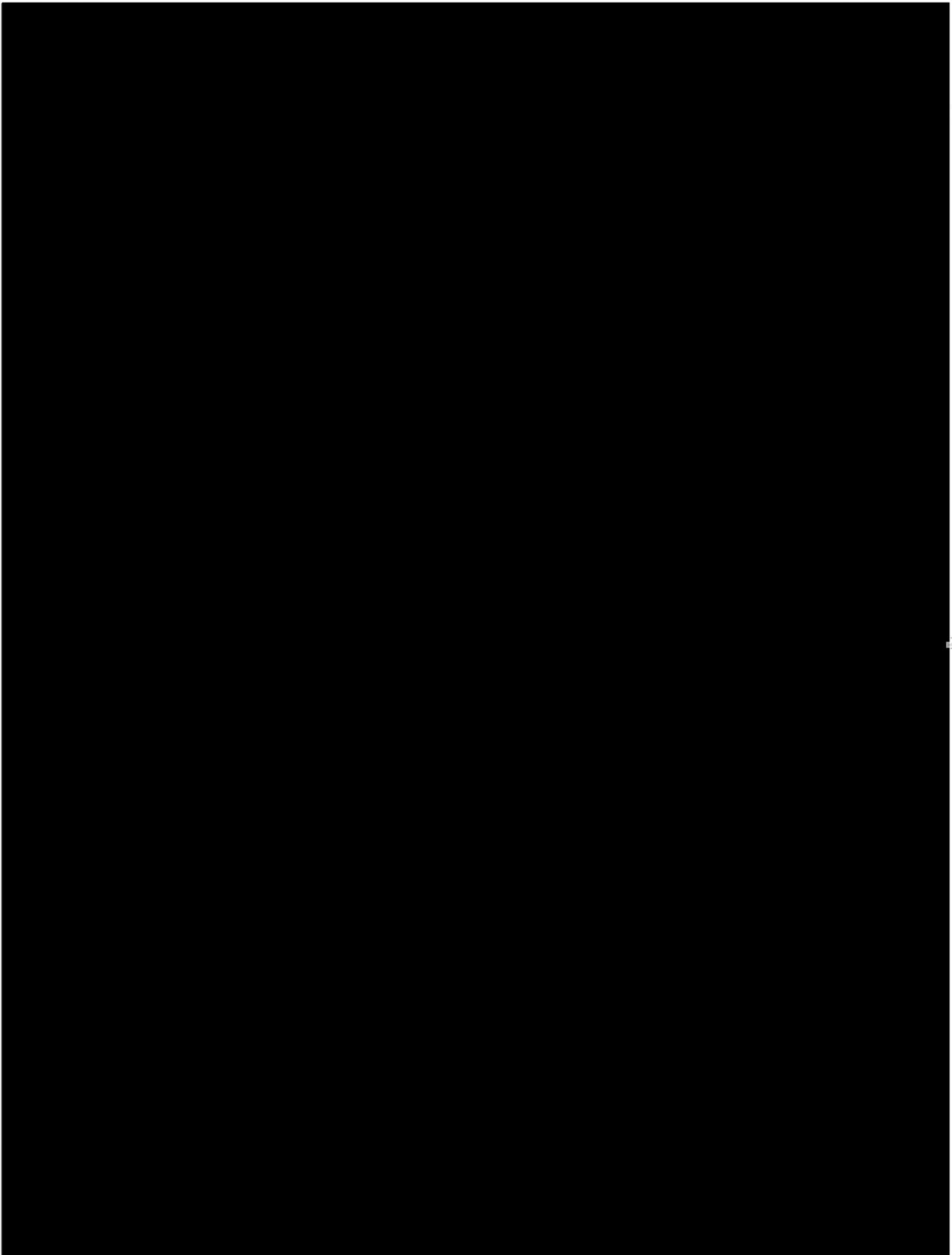


EXHIBIT 56





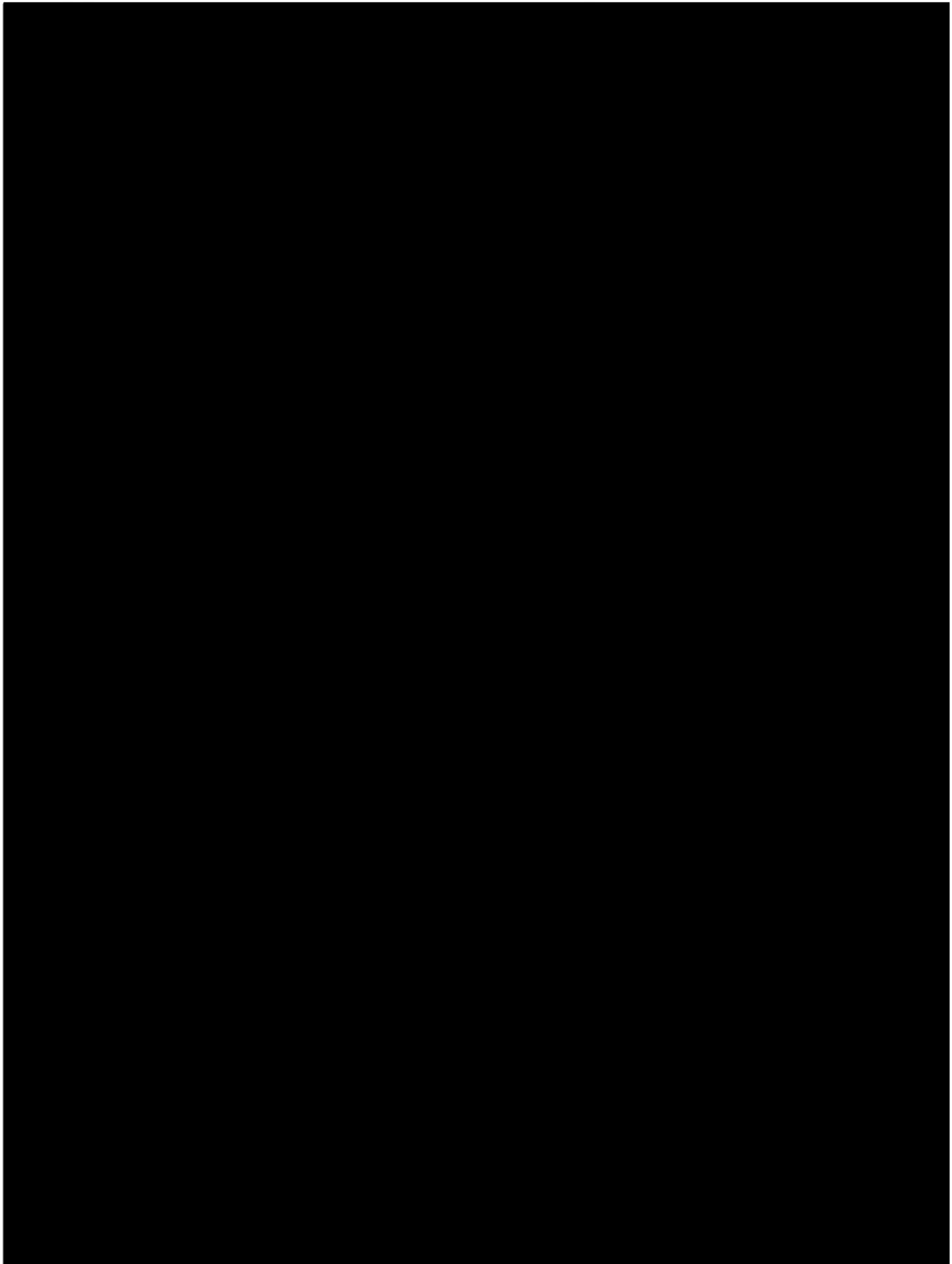
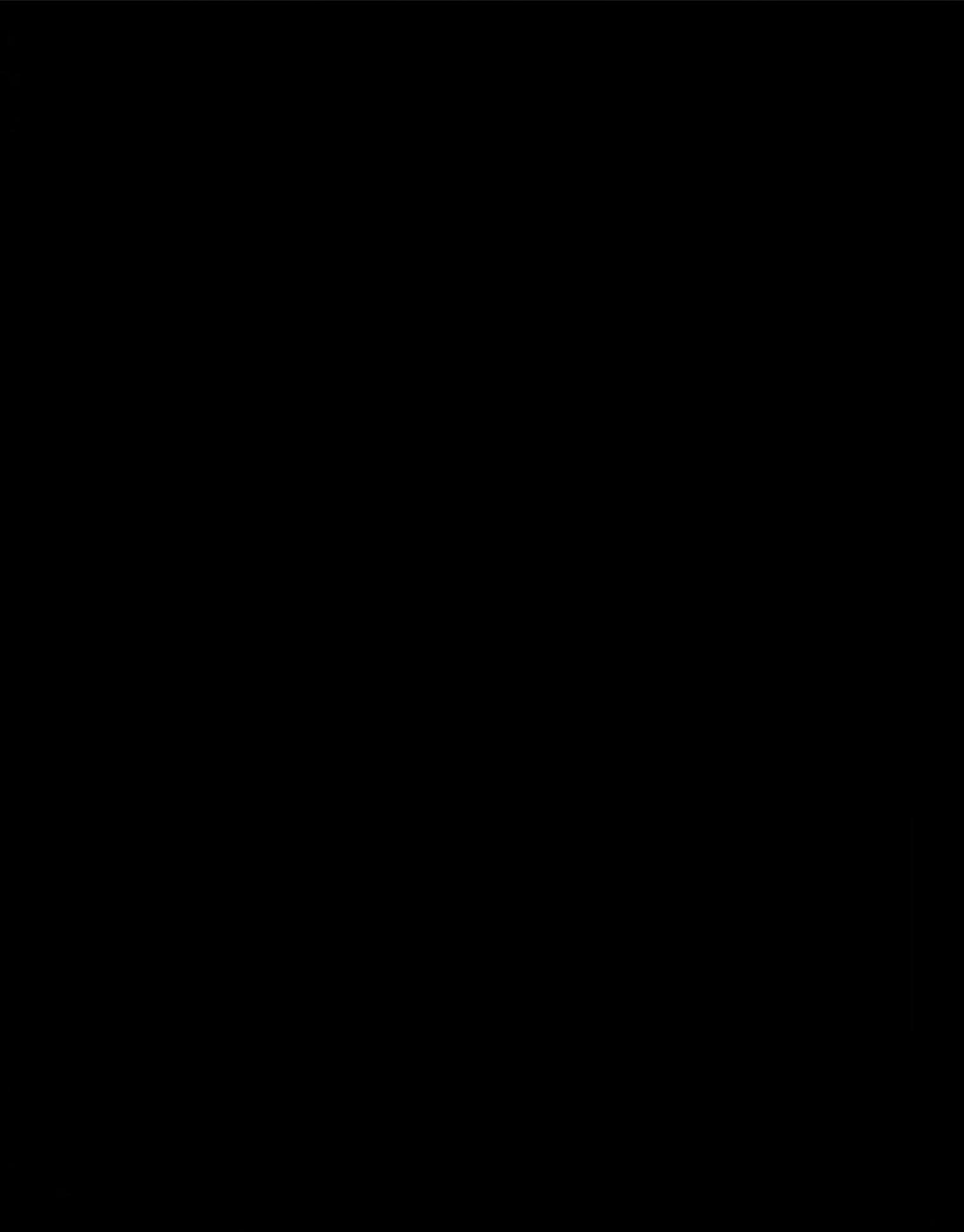


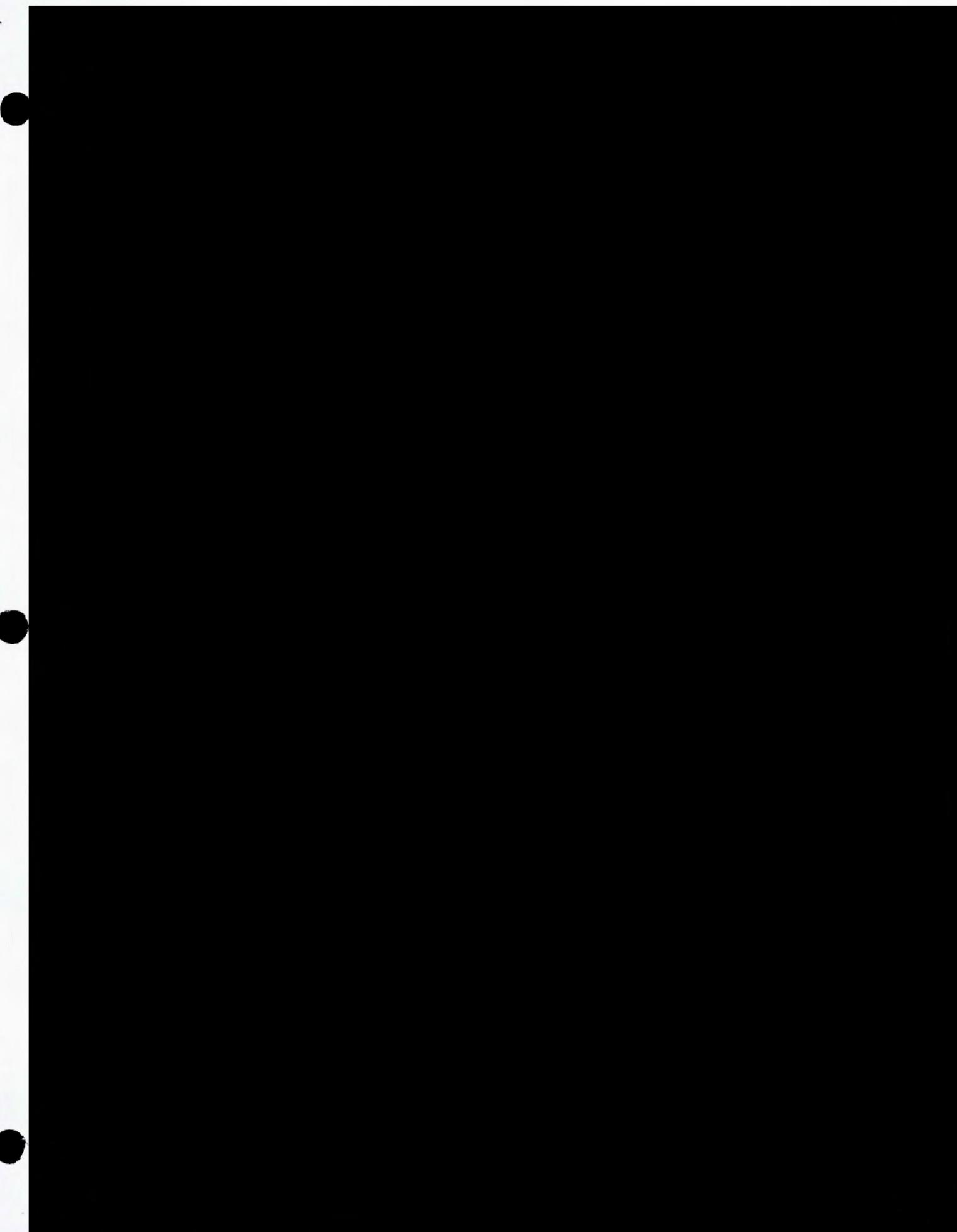
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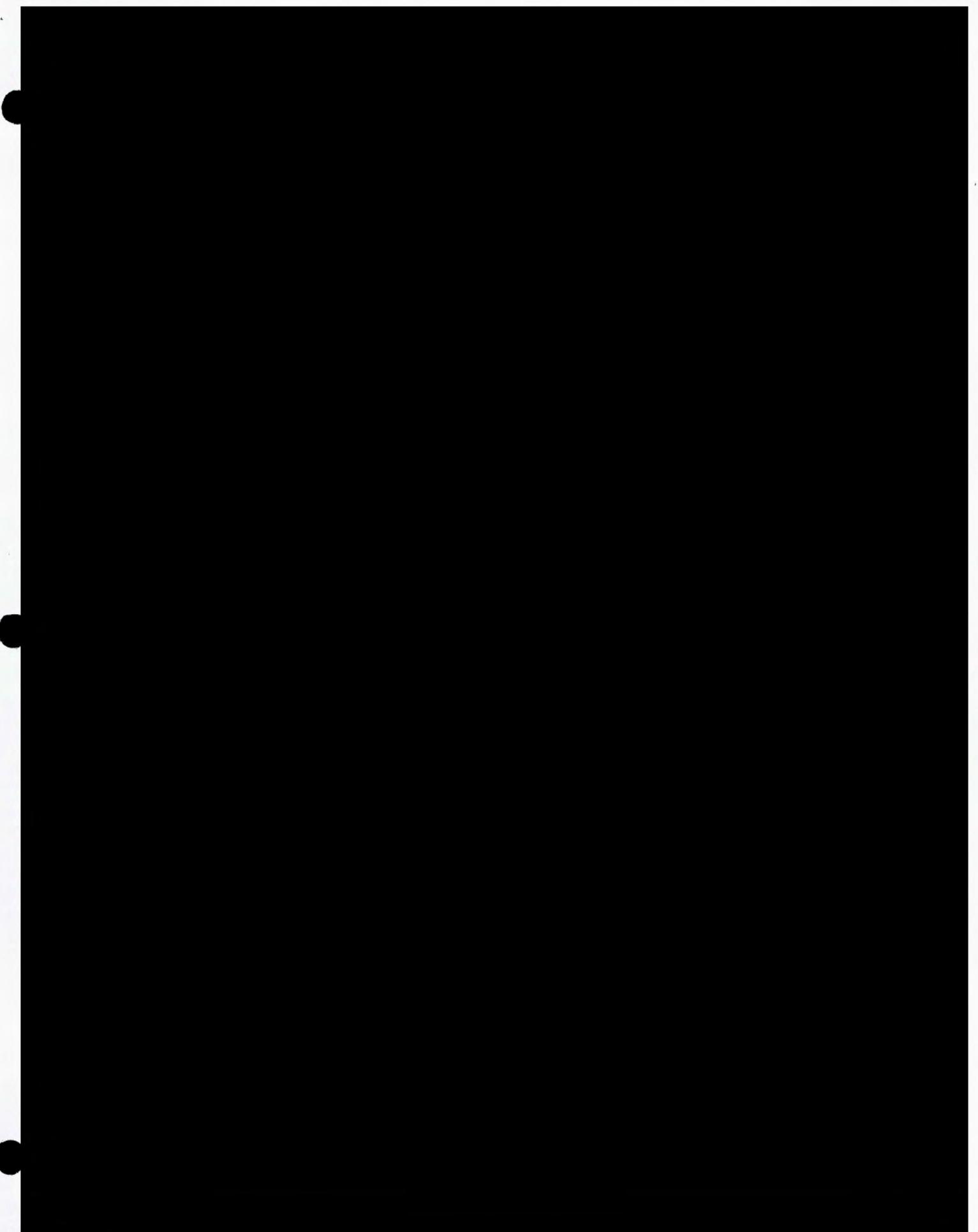


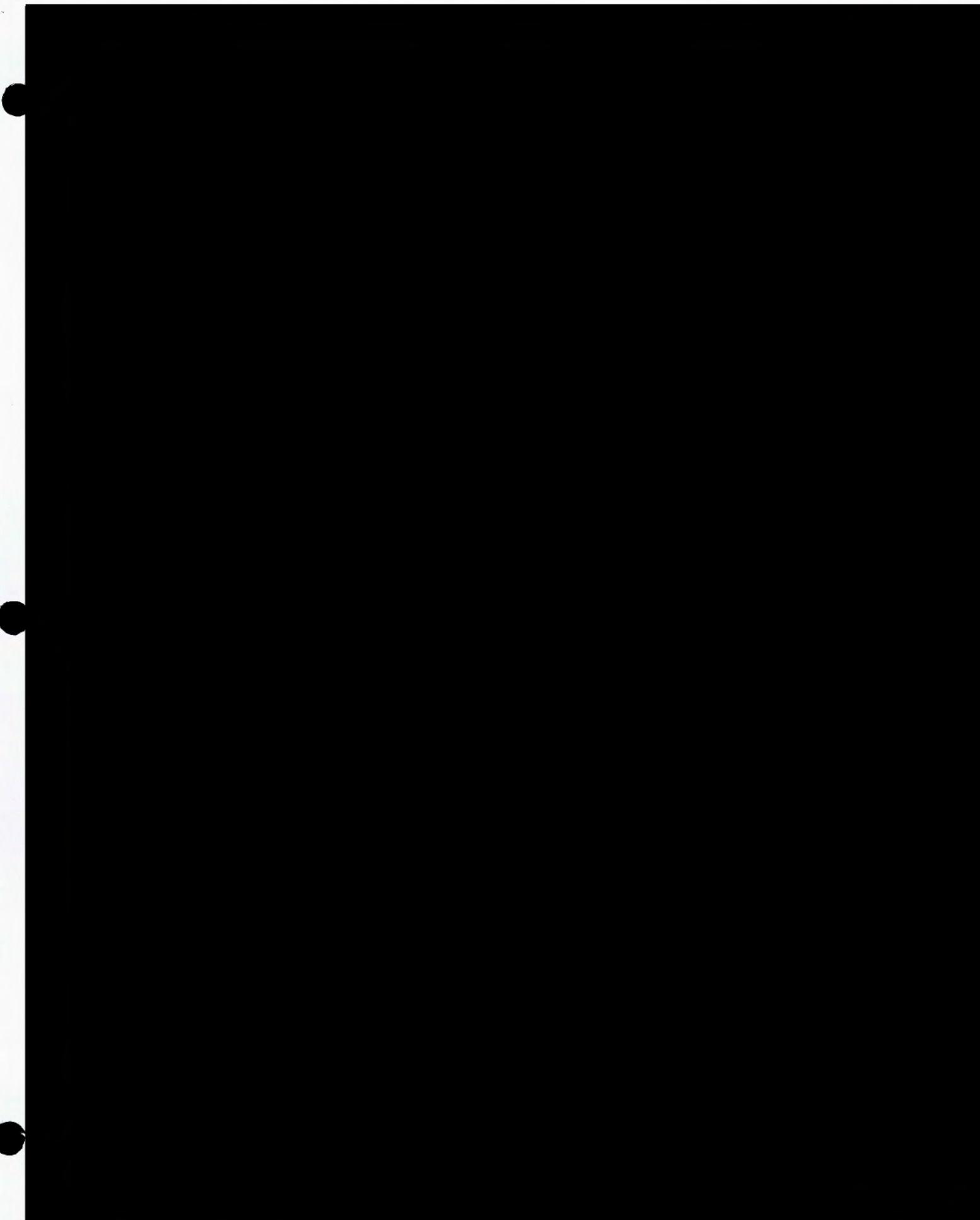
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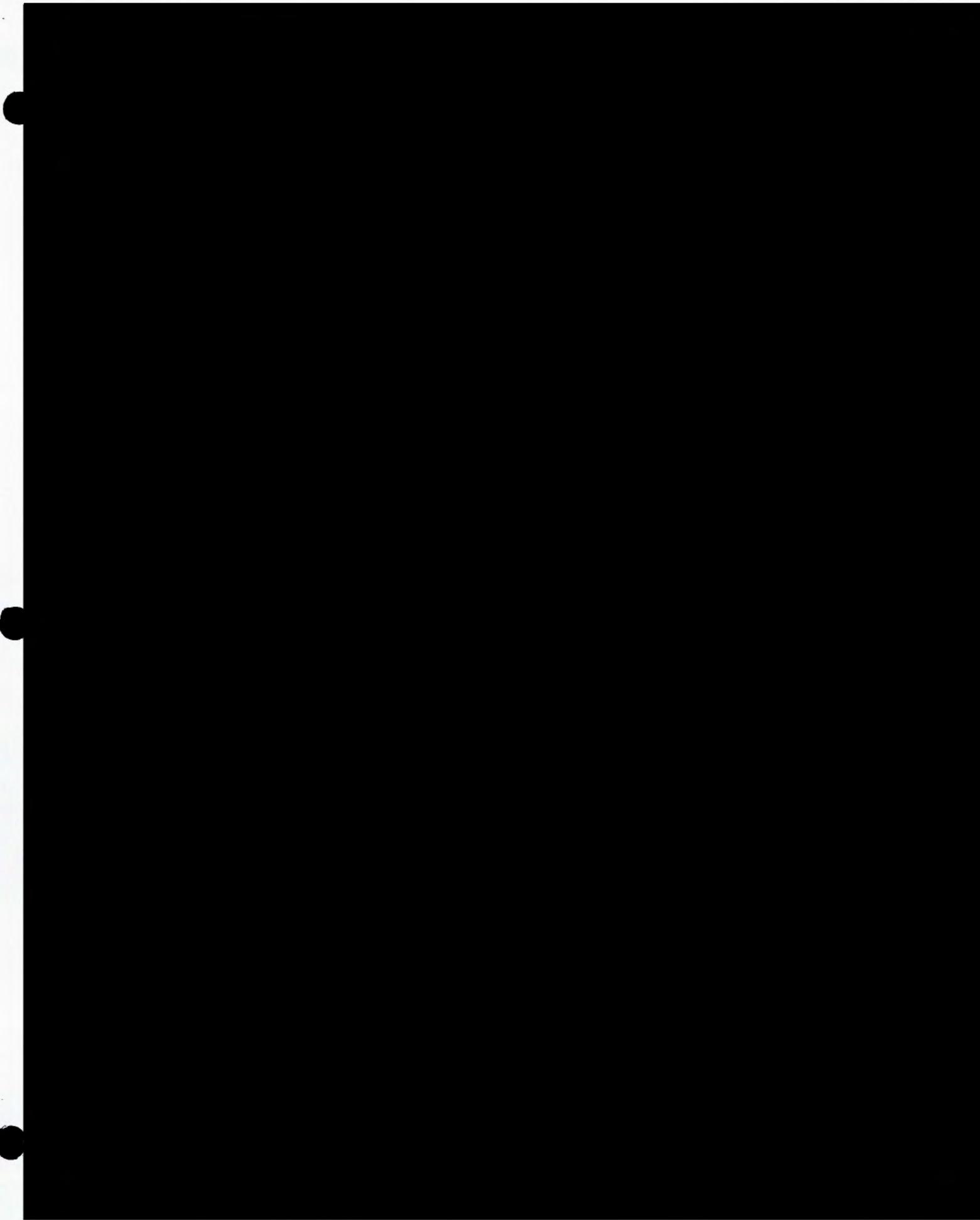
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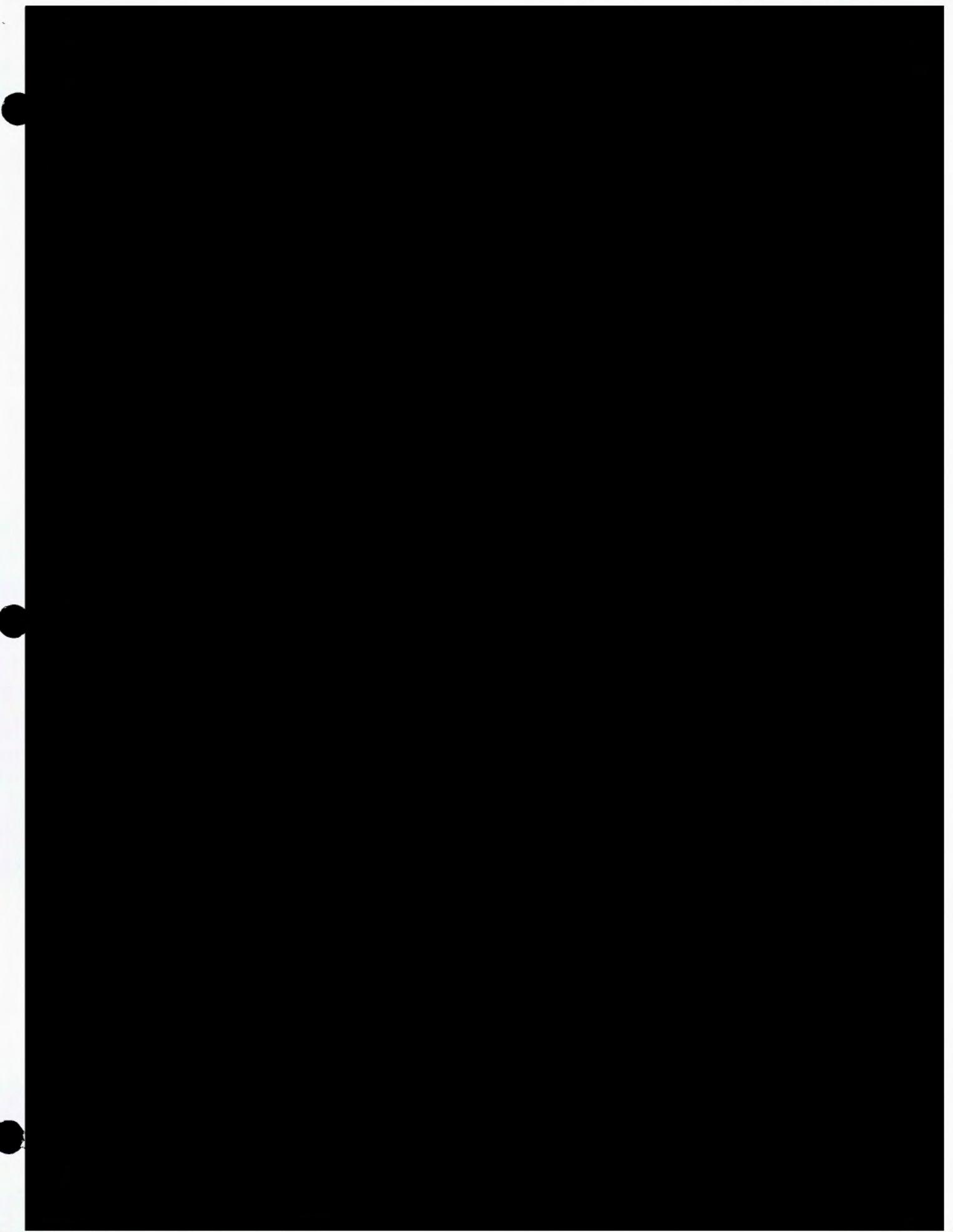


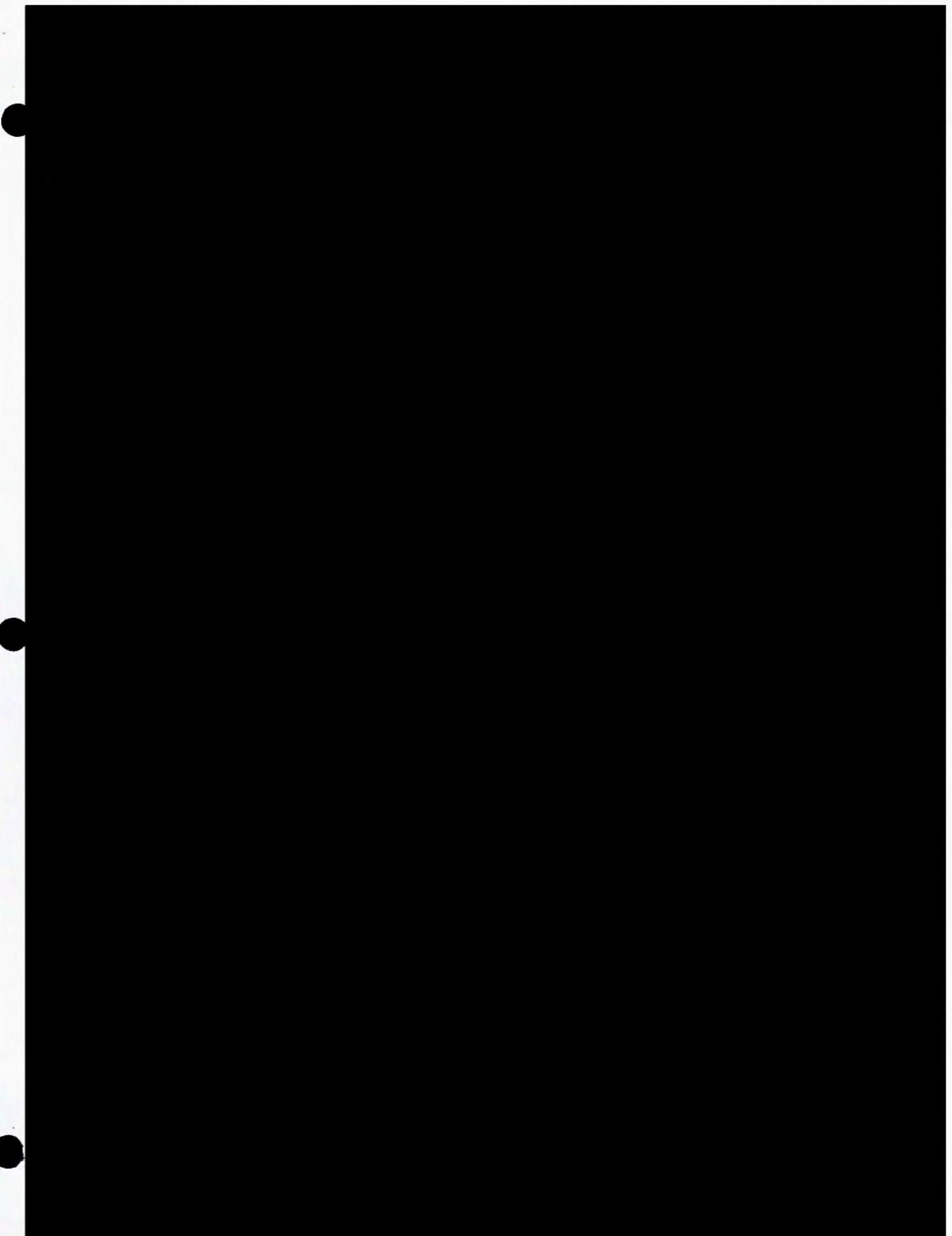


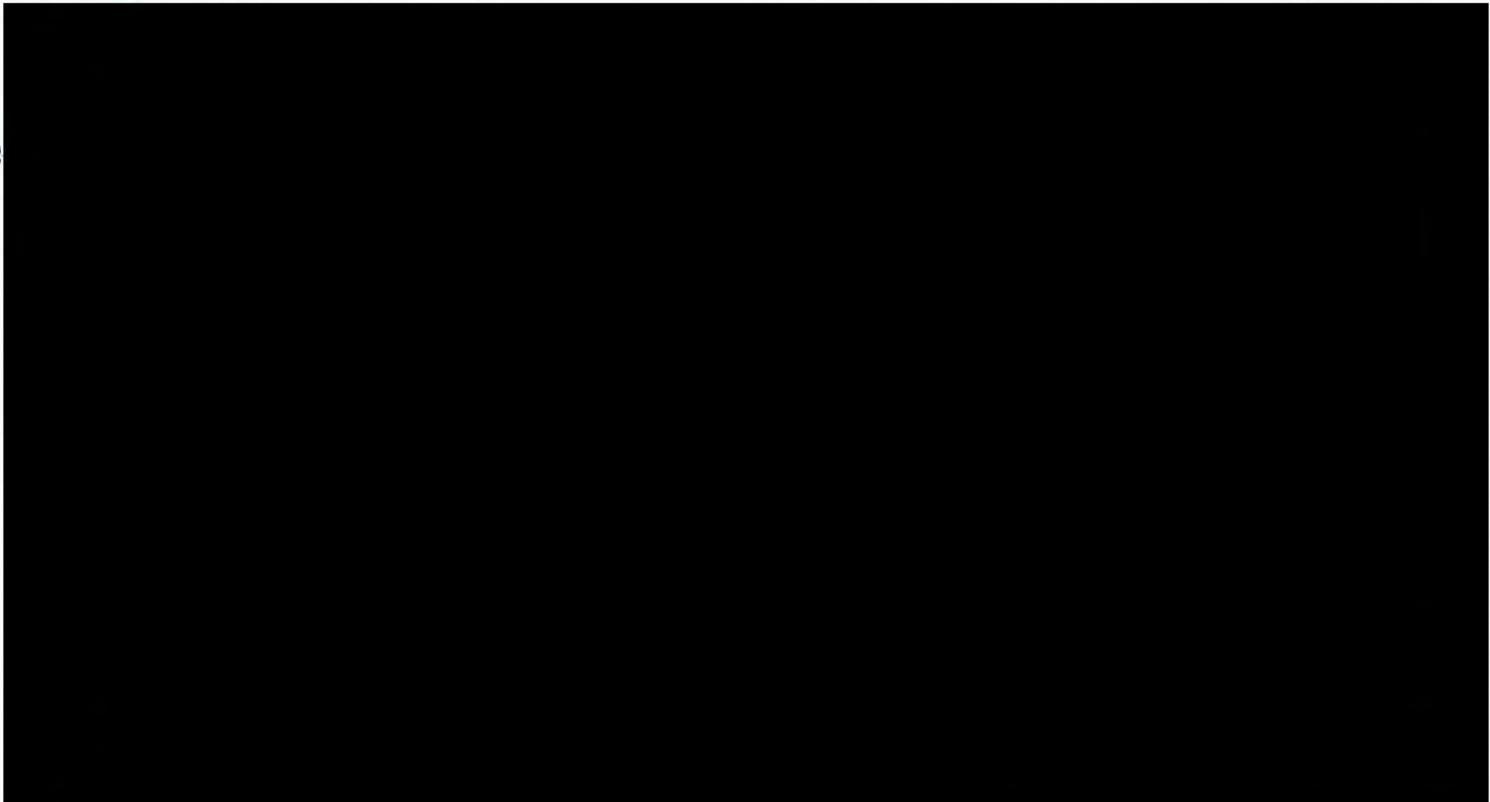


> To: Geoffrey Hoggard (CELA)
> Subject: RE: Call to Discuss Patent Sale
> When: Wednesday, March 16, 2016 9:00 AM-9:30 AM (UTC-08:00) Pacific Time (US & Canada).
> Where: Skype Meeting
>
> Need a call in code
>
> This message and any attachments may contain confidential information protected by the attorney-client or other privilege. If you believe that it has been sent to you in error, please reply to the sender that you received the message in error, and then delete the message from your system.
>





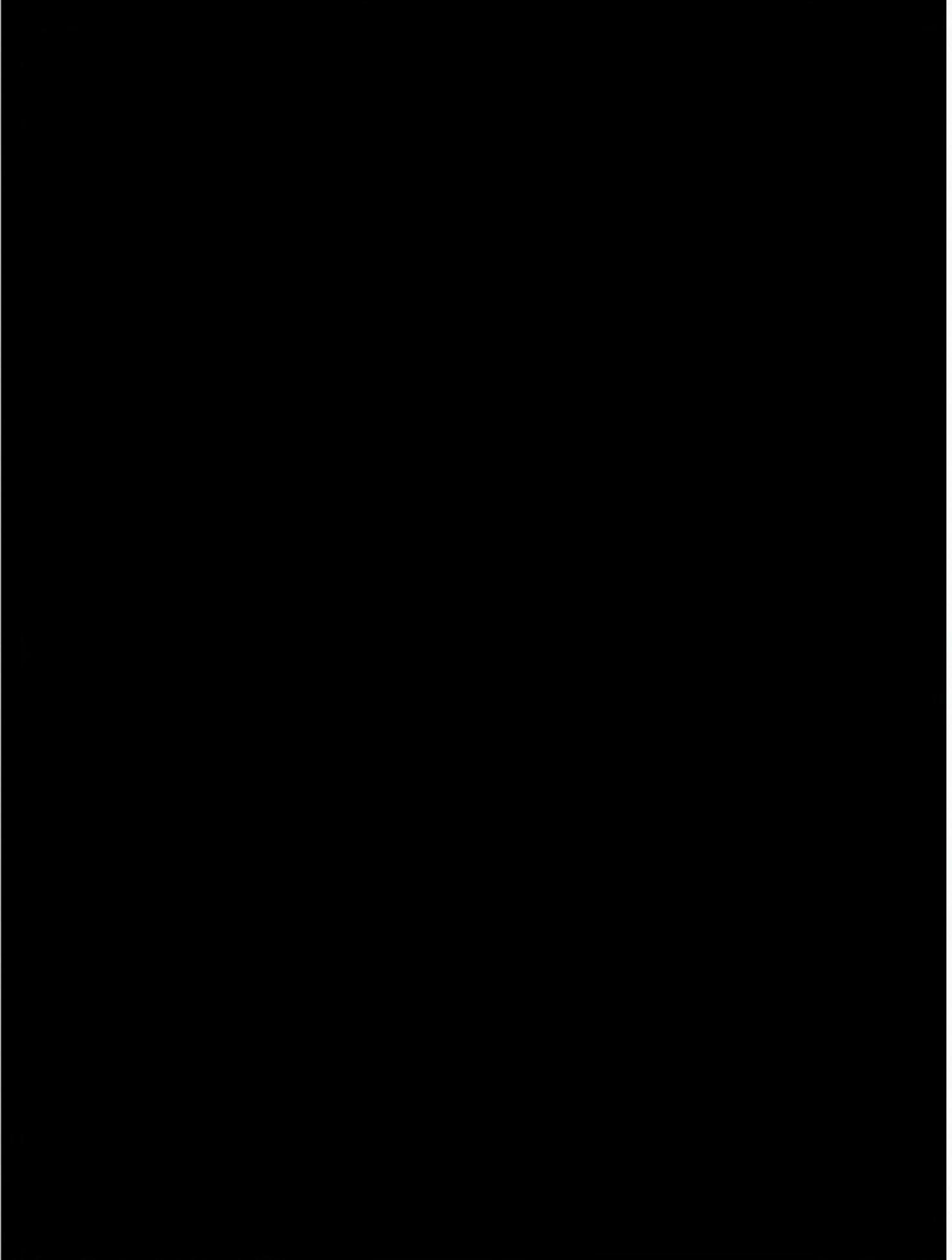






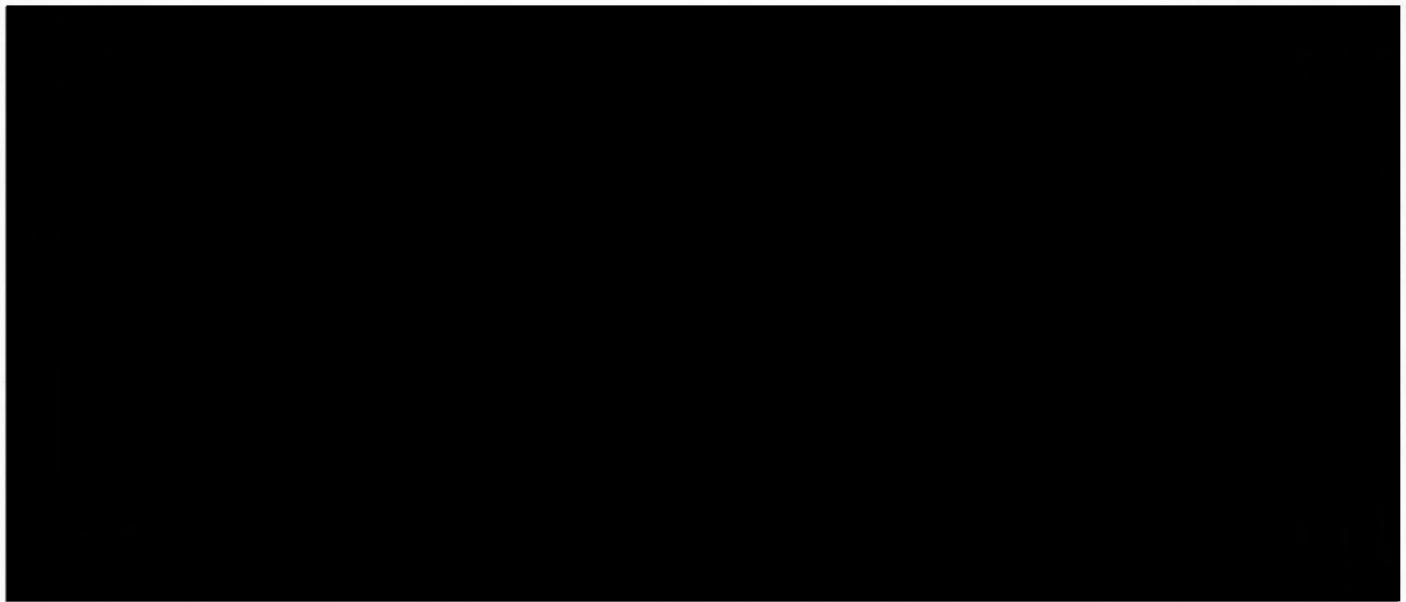


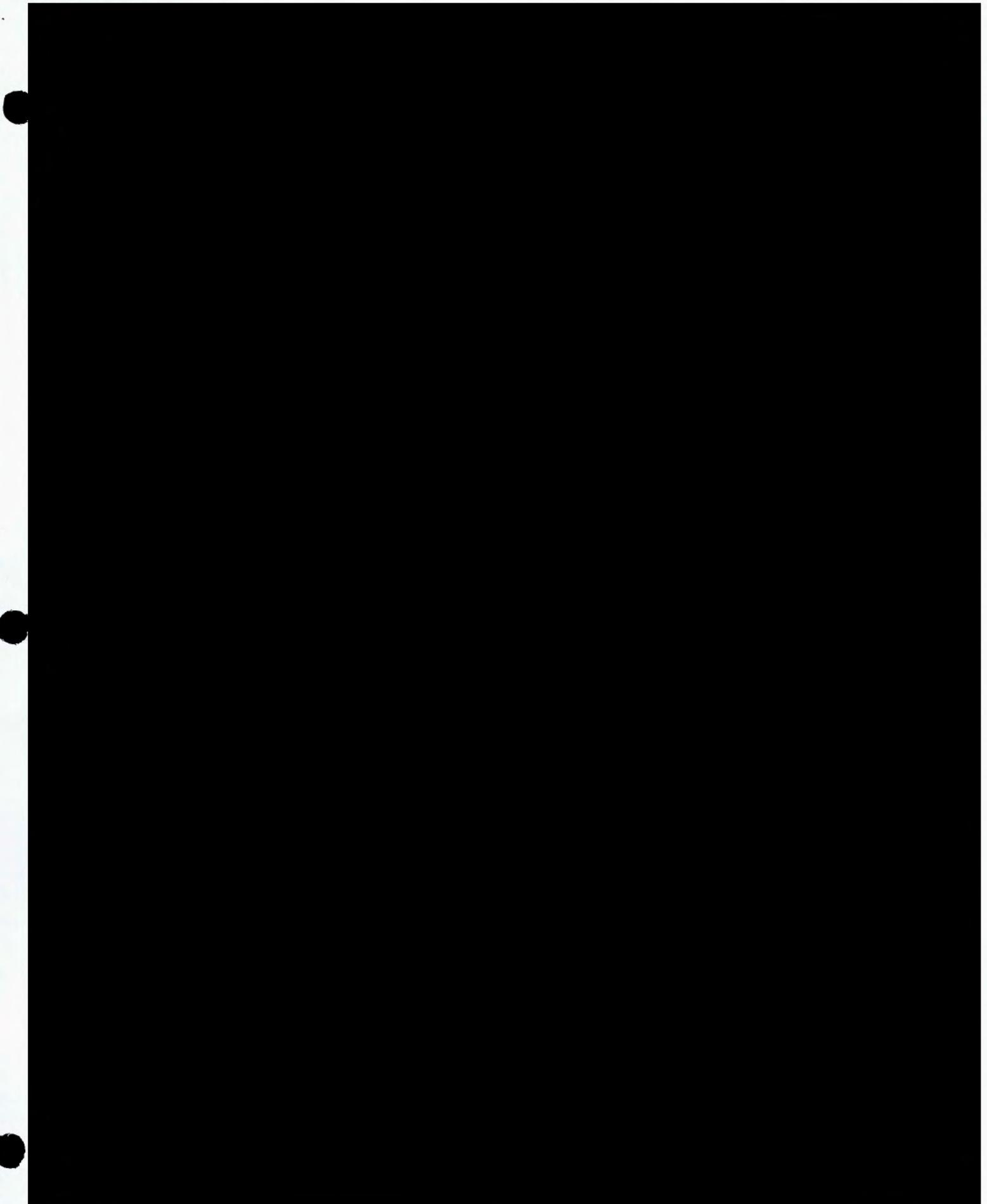


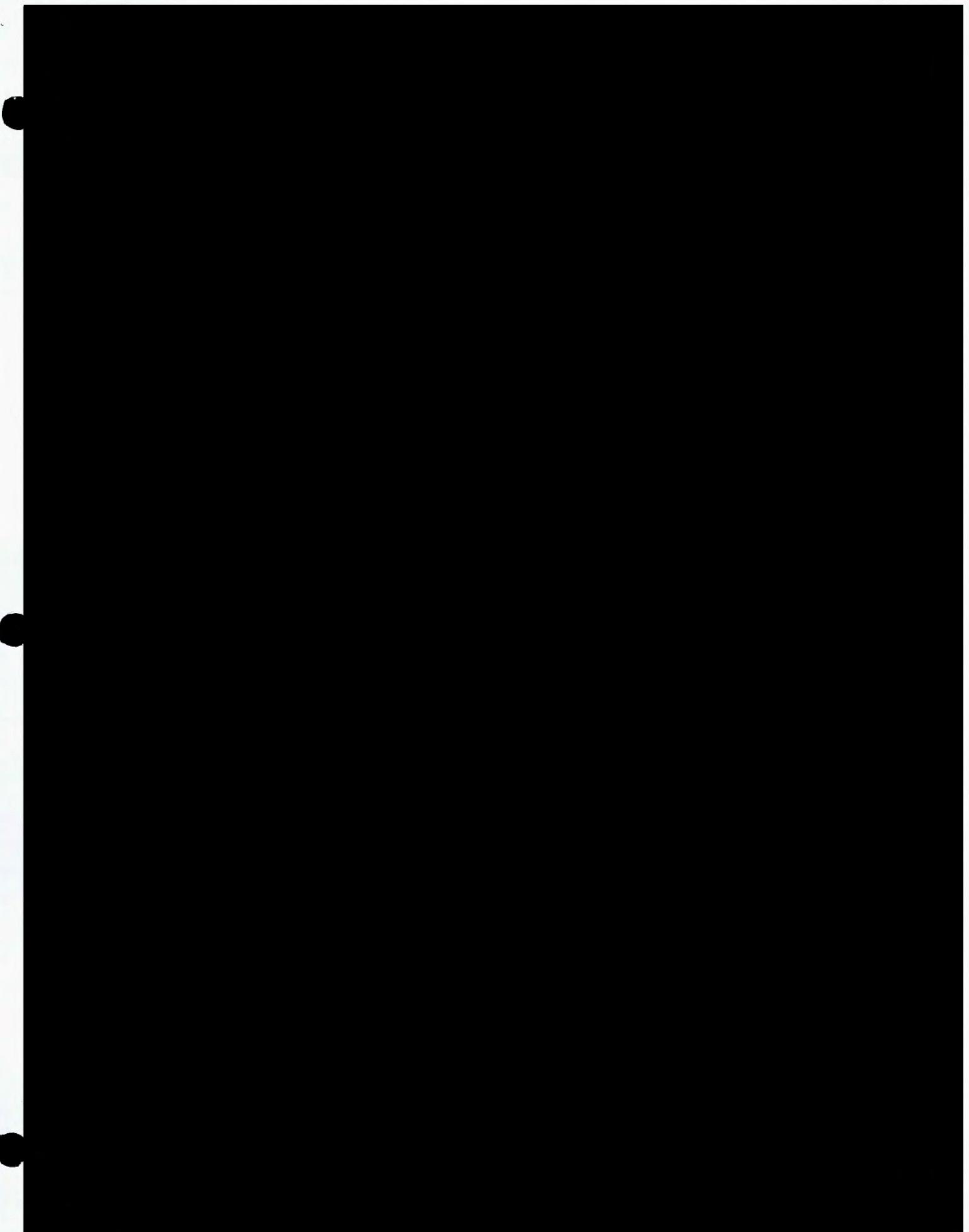


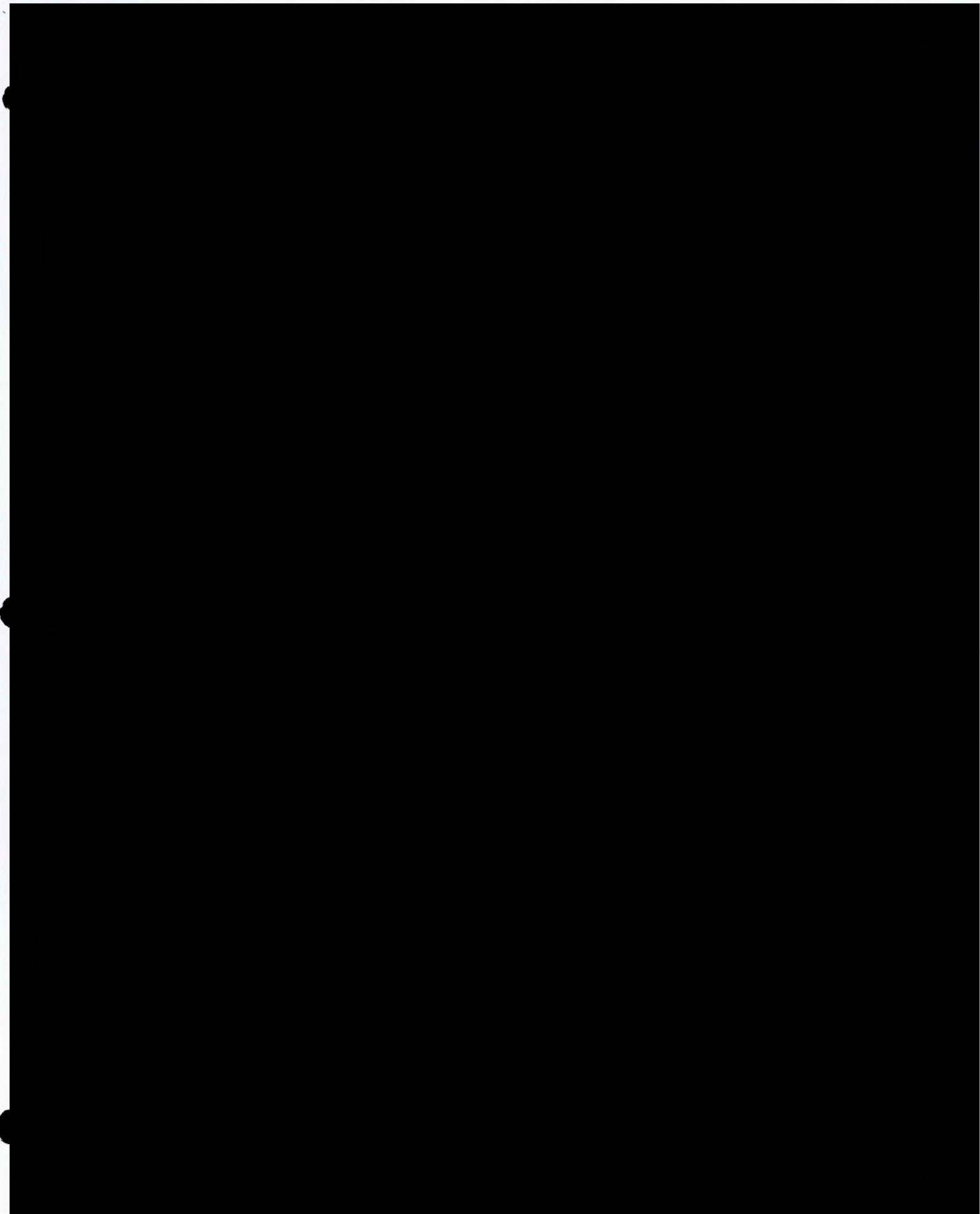
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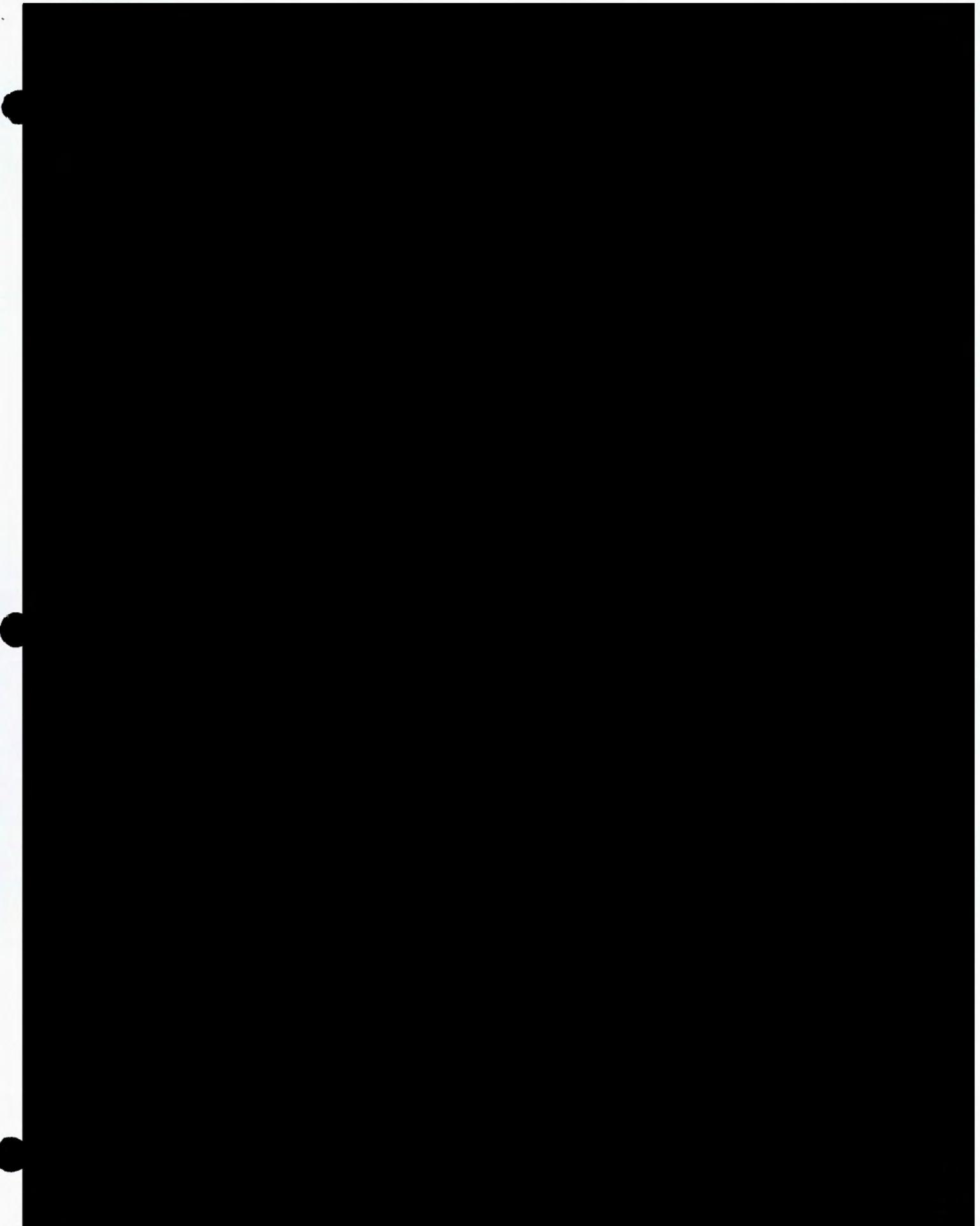






EXHIBIT 58

10 PELOTON INTERACTIVE, INC.,
11 Third-Party Plaintiff,
12 v.
13 VILLENCY DESIGN GROUP, LLC,
14 ERIC VILLENCY, AND JOSEPH
COFFEY,
15 Third-Party Defendants.

18 ***HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY***

19 VIDEOTAPED 30(b)(6) DEPOSITION OF

20 GEOFFREY HOGGARD

21 November 16, 2018; 9:01 a.m.

22 300 112th Avenue SE, 2nd Floor

23 Bellevue, Washington

24

25 REPORTED BY: Darcy J. Brokaw, CCR No. 3455, RPR, CR

1 APPEARANCES:

2

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6 For the Plaintiff, VR Optics, LLC, and the Third-Party
7 Defendants, Joseph Coffey, Eric Villency, and Villency
8 Design Group:

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14

15 For Microsoft Corporation, Microsoft Technology
16 Licensing, LLC, and the deponent:

17

MICROSOFT CORPORATION
DAVID E. KILLOUGH, ESQ.
One Microsoft Way
Redmond, Washington 98052
425.703.8865
davkill@microsoft.com

18

19 Also present: Lucas Cheadle, Videographer

20

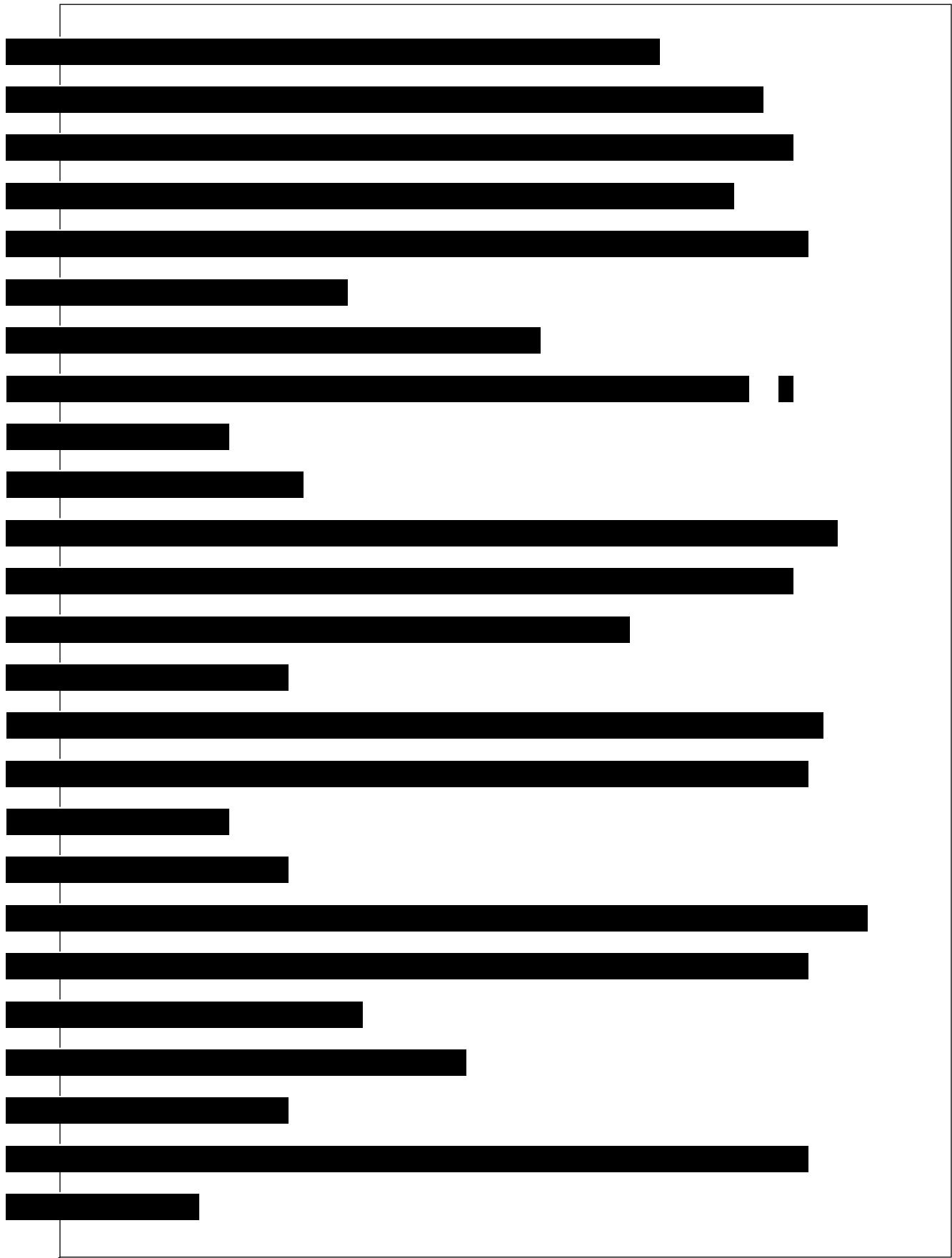


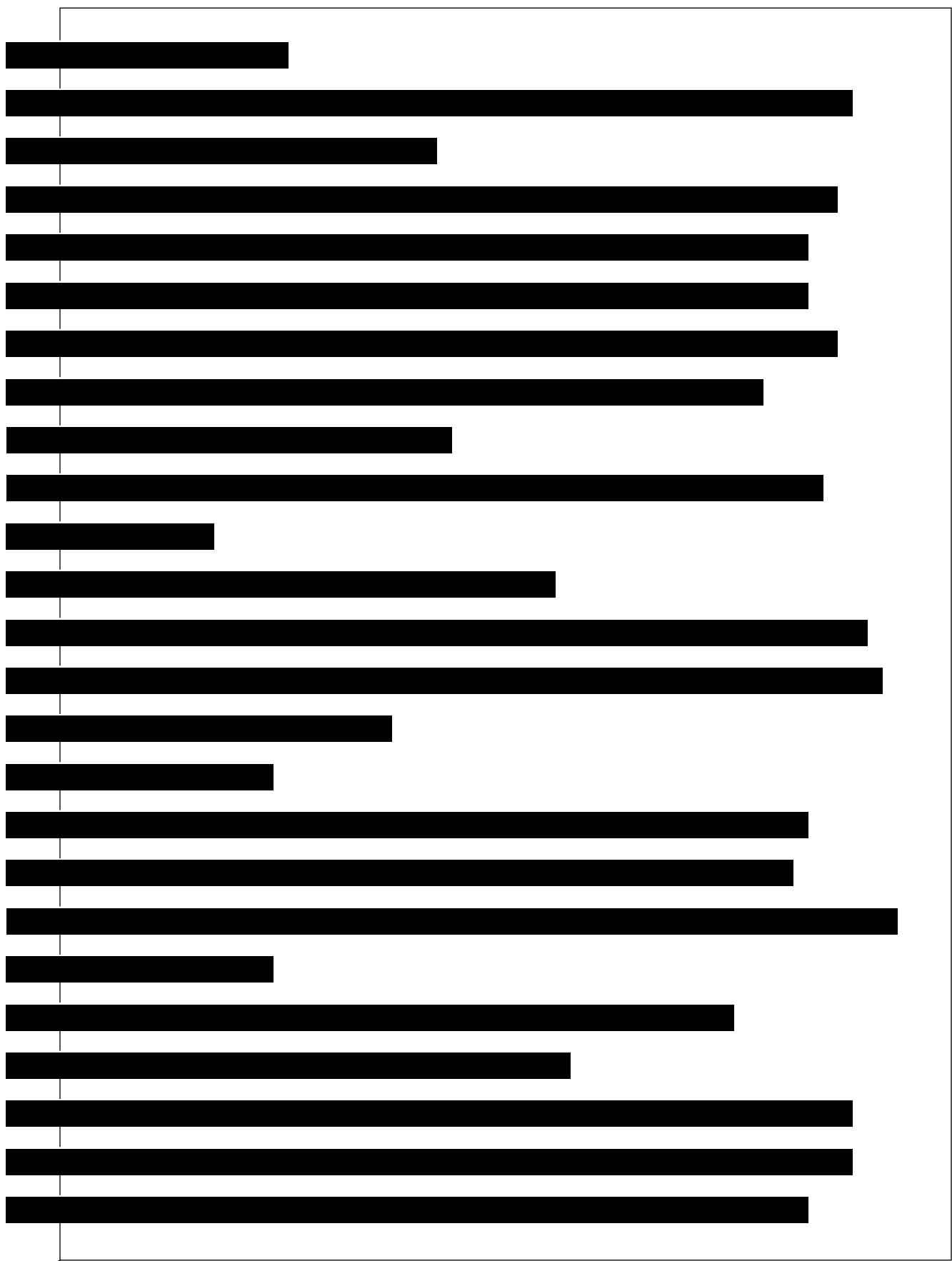


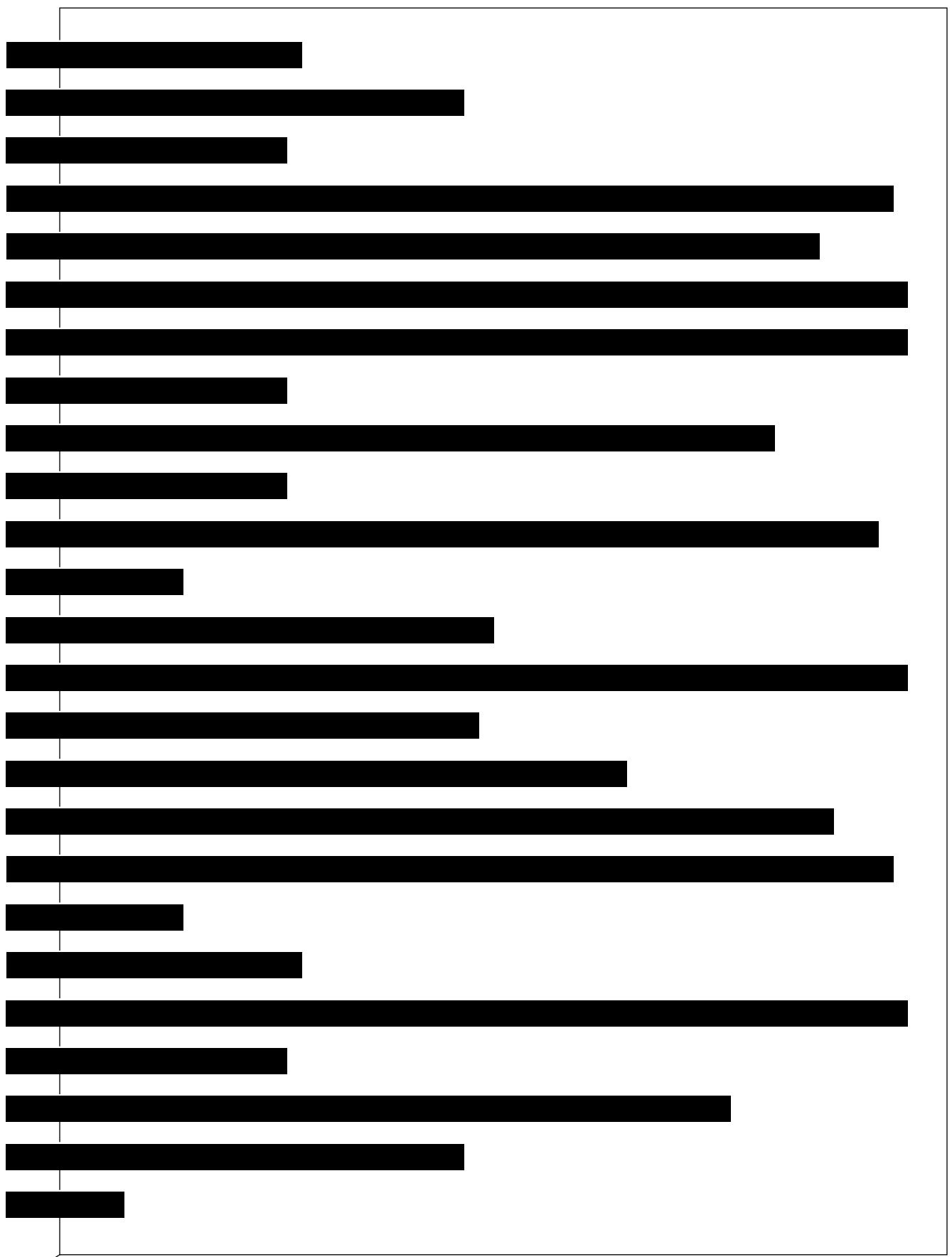






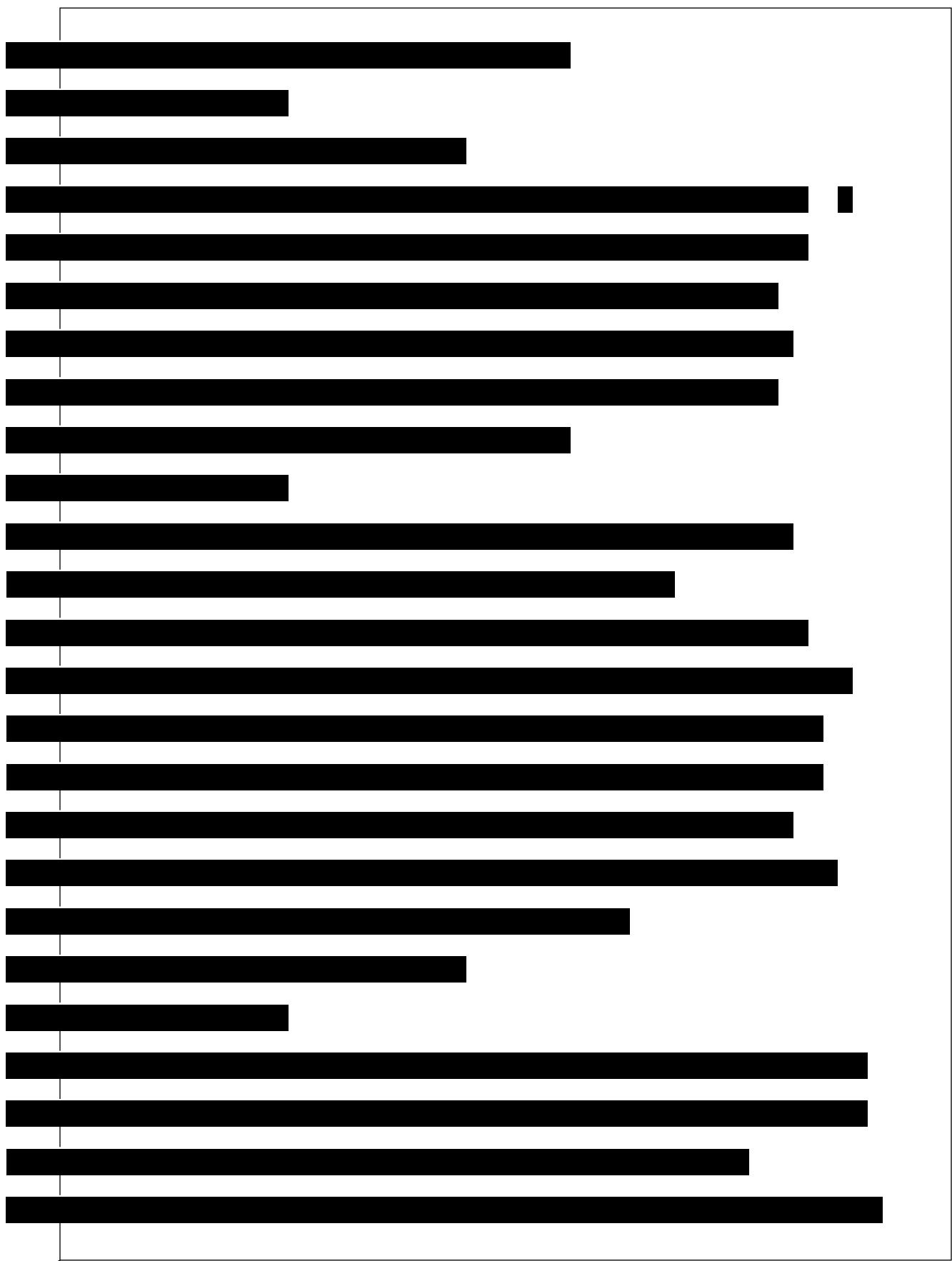


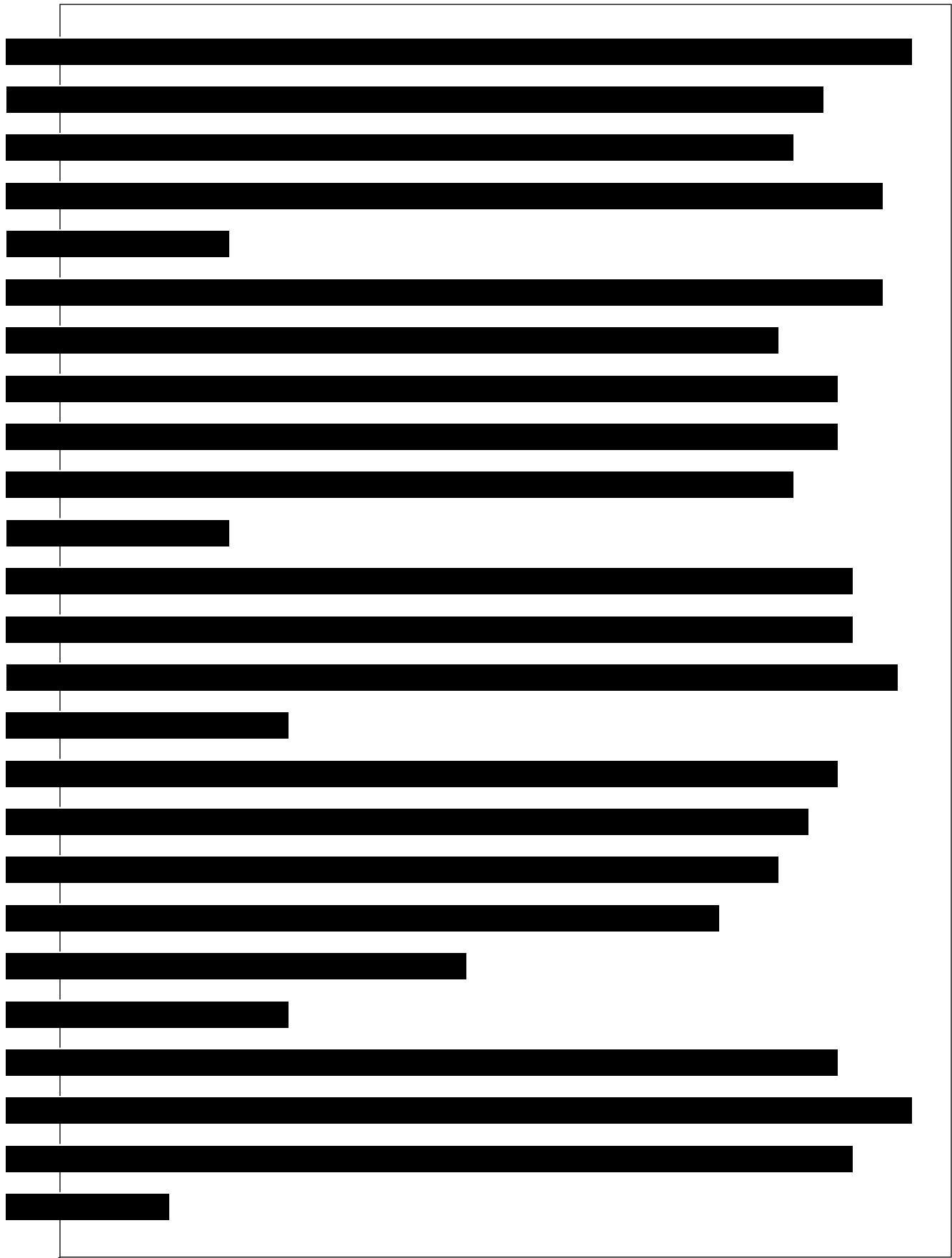






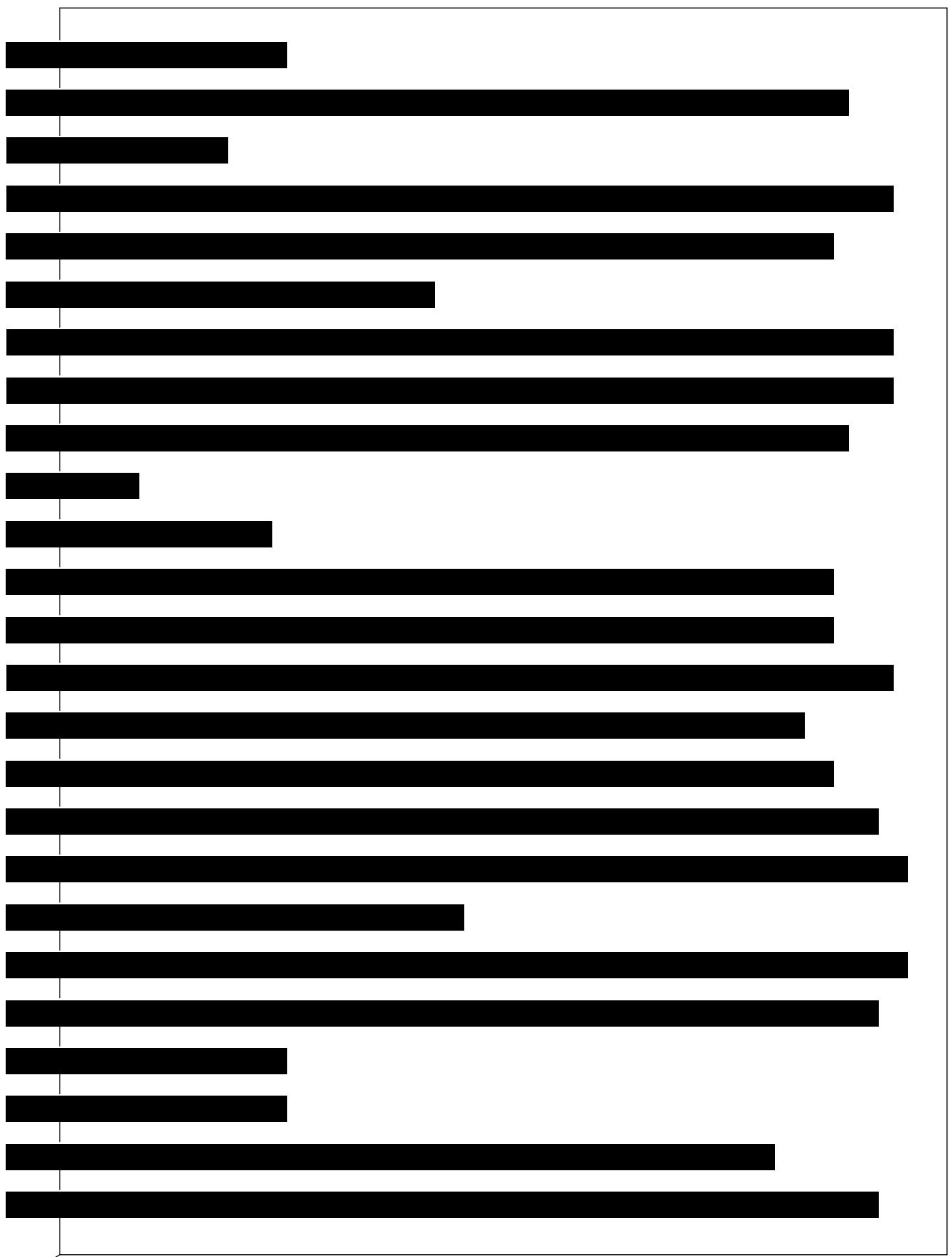






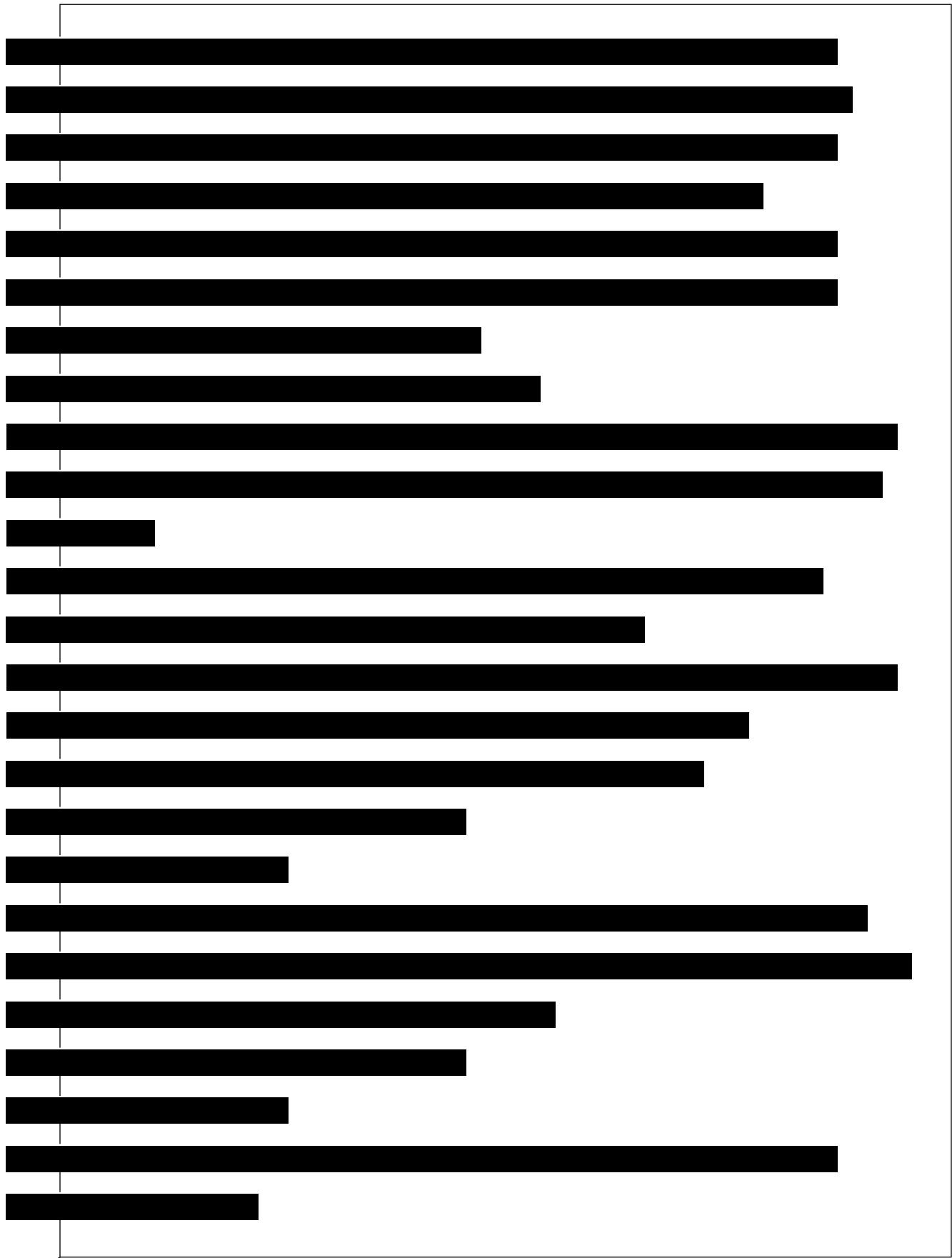




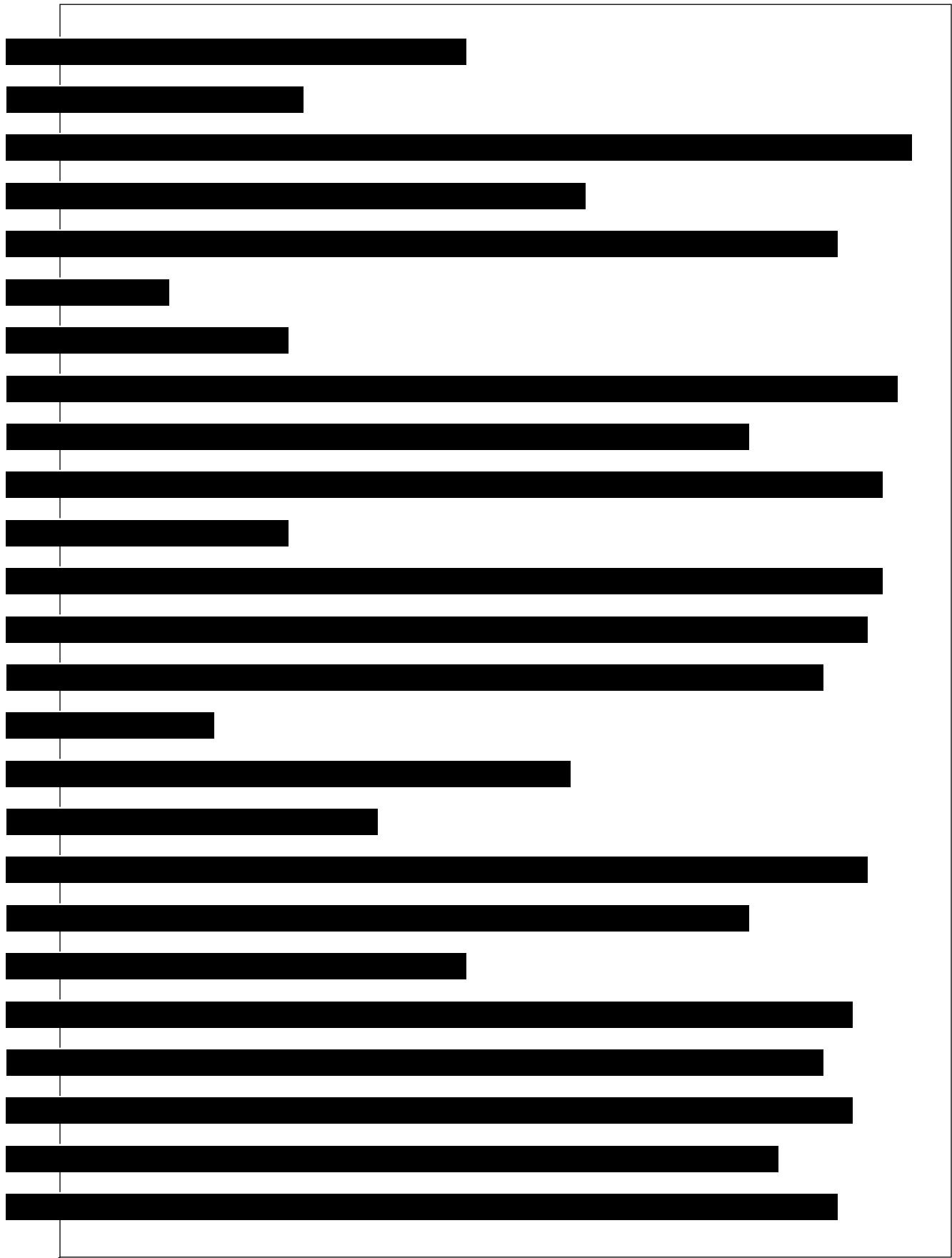






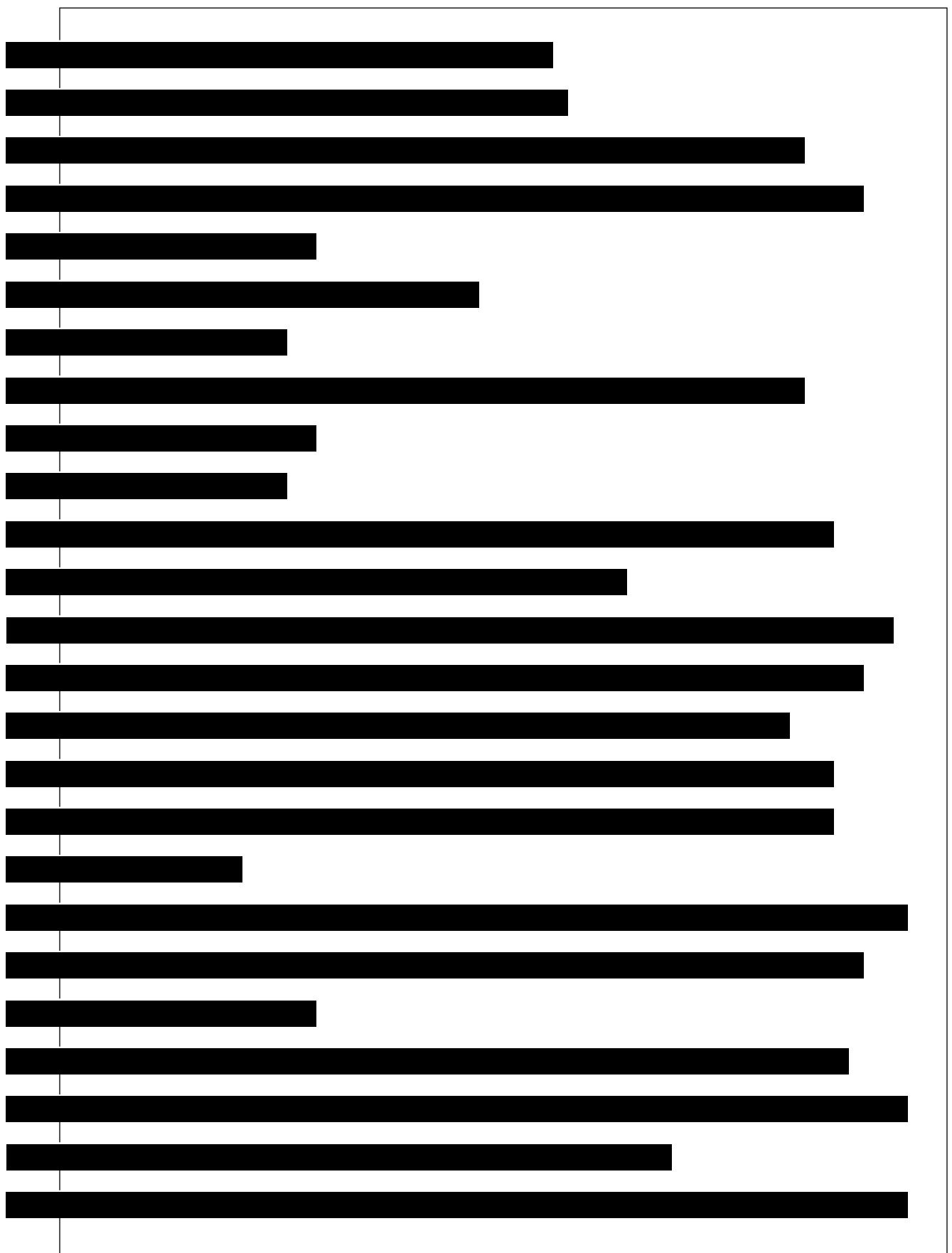






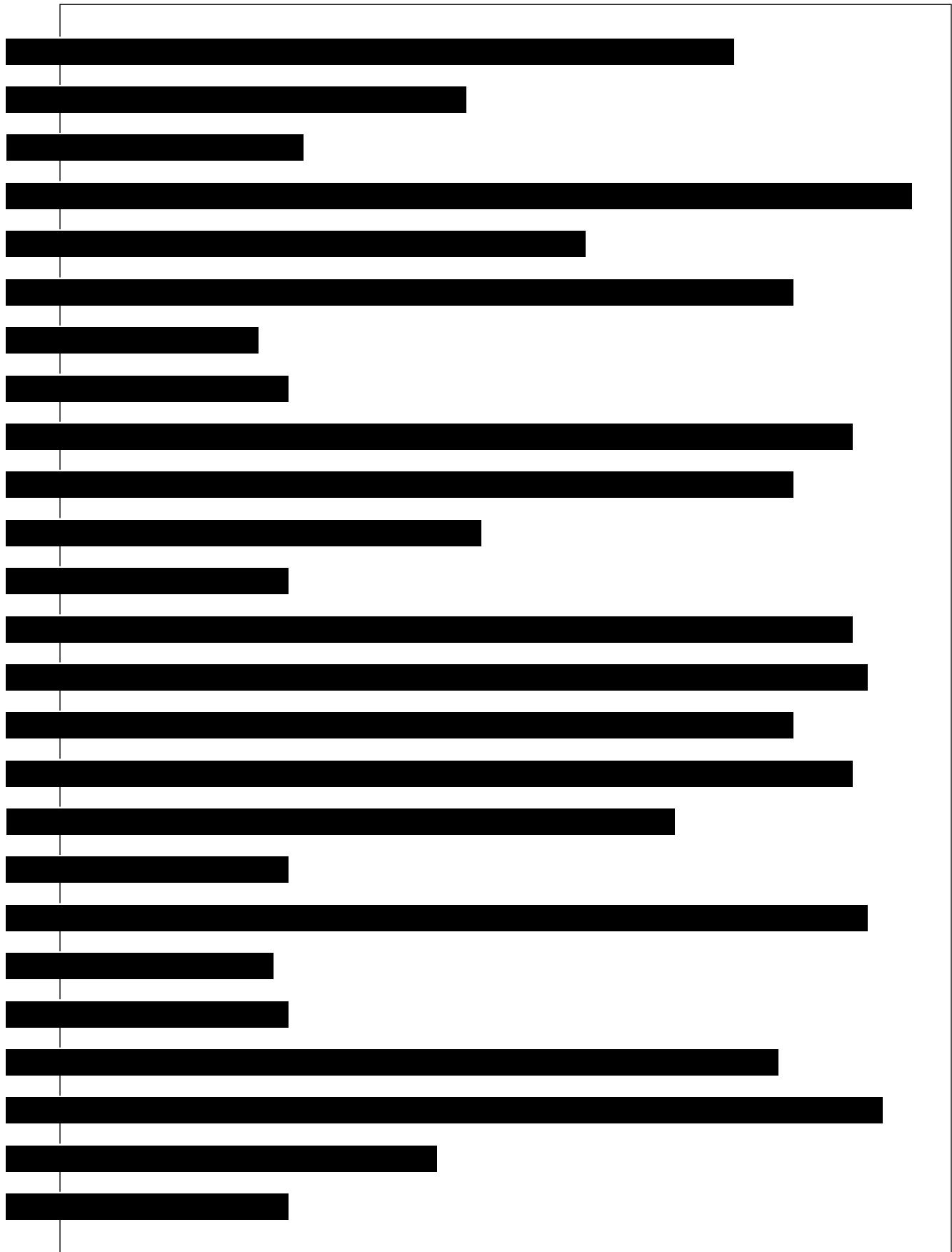












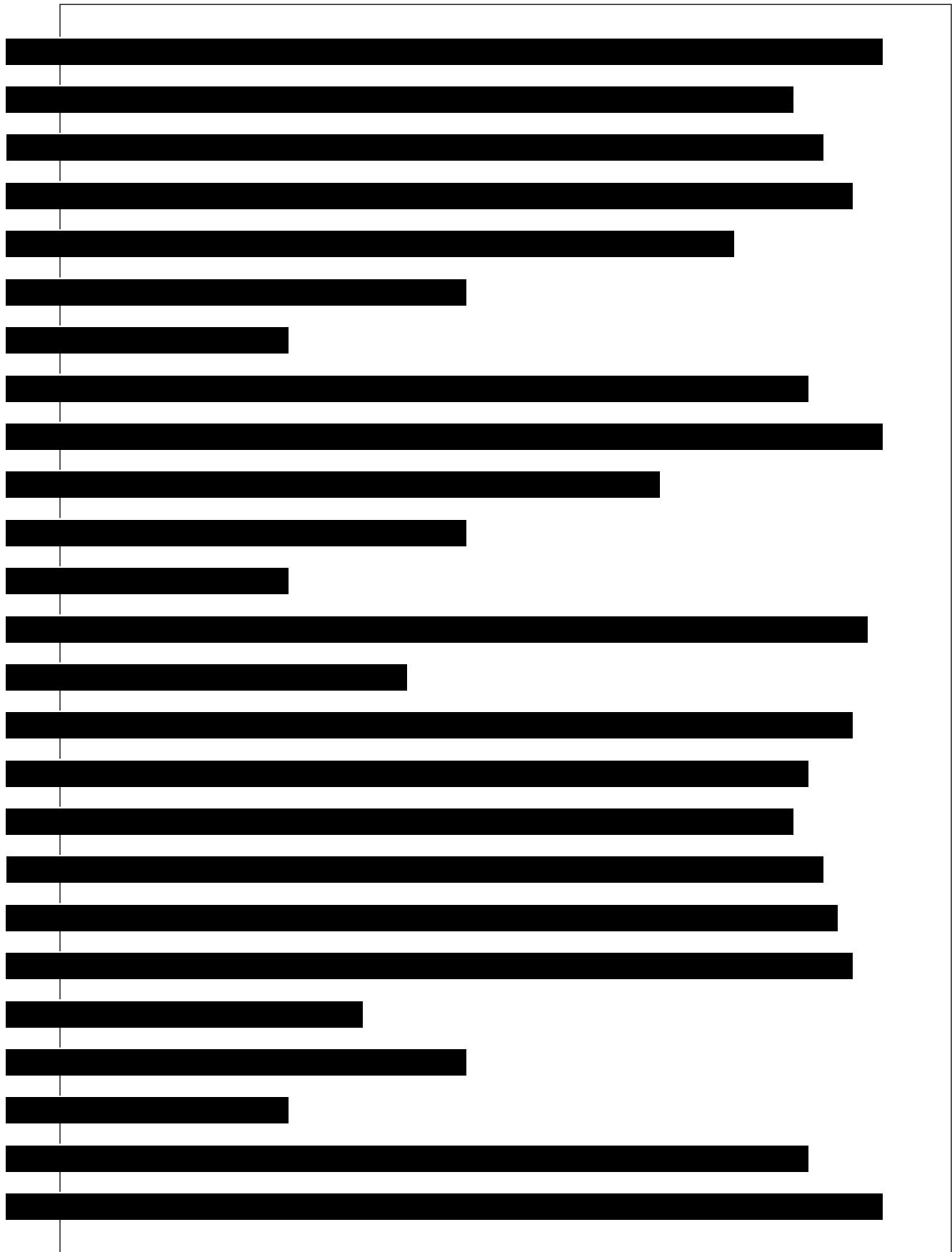




EXHIBIT 59

From: Joe Coffey on behalf of Joe Coffey -jcoffey@villency.com-
(jcoffey@villency.com)
Sent: Wednesday, August 10, 2016 6:51:31 PM
To: Graham Stanton (Graham Stanton -graham@pelotoncycle.com-)
Cc: esv@villency.com (esv@villency.com -esv@villency.com-)
Bcc:
Subject: Re: Patent

Hey Graham,

Thanks for reaching out.

Think next best step it to have a call.

Lemme know your availability.

Joe

> On Aug 10, 2016, at 7:35 PM, Graham Stanton <graham@pelotoncycle.com>
wrote:
>
> Joe and Eric,
>
> John just gave me the update on your new acquisition. How much would
you want for for us to buy the patent from you?
>
> Graham

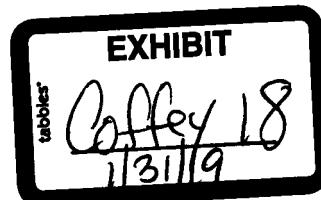


EXHIBIT 60

**UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK**

VR OPTICS, LLC,

Plaintiff,

v.

PELOTON INTERACTIVE, INC.,

Defendant.

PELOTON INTERACTIVE, INC.,

Third-Party Plaintiff,

v.

VILLENCY DESIGN GROUP, LLC, ERIC
VILLENCY, AND JOSEPH COFFEY,

Third-Party Defendants.

Civil No. 1:16-cv-6392 (JPO)

**DEFENDANT AND THIRD-PARTY
PLAINTIFF PELOTON INTERACTIVE,
INC.’S RESPONSES TO THIRD-PARTY
DEFENDANTS’ REQUESTS FOR
ADMISSION, SET ONE**

PROPOUNDING PARTIES: Villency Design Group, LLC; Eric Villency; Joseph Coffey

RESPONDING PARTY: Peloton Interactive, Inc.

SET NO.: ONE

Pursuant to Federal Rule of Civil Procedure 36, Defendant and Third-Party Plaintiff Peloton Interactive, Inc. (“Peloton”), by and through its undersigned counsel, hereby objects and responds to Third-Party Defendants Villency Design Group, LLC’s, Eric Villency’s, and Joseph Coffey’s (“Third-Party Defendants”) First Set of Requests for Admission as follows:

PRELIMINARY STATEMENT

Any portion of any request not specifically admitted is denied, and Peloton reserves the

right to supplement or add specific objections as additional facts or understandings arise.

By responding to Third-Party Defendants' Requests for Admission, Peloton does not waive any objection that may be applicable to: (1) the use, for any purpose, by Third-Party Defendants of any information or documents given in response to Third-Party Defendants' Requests; or (2) the admissibility, privilege, relevance, authenticity, or materiality of any of the information or other documents to any issue in this case. Peloton expressly reserves the right to object to the use of these responses, the subject matter contained herein, or the documents produced in connection herewith during any subsequent proceeding, including the trial of this or any other action.

Peloton's responses to Third-Party Defendants' Requests for Admission are made to the best of Peloton's present knowledge, information, and belief. Discovery in this case continues and Peloton's investigation is ongoing, and Peloton is currently gathering and determining the accuracy and completeness of the information available. Accordingly, Peloton reserves the right to supplement or amend these responses as discovery in this matter progresses, should future discovery or investigation indicate that supplementation or amendment is necessary. Peloton also reserves the right to produce or use any documents produced and/or discovered after service of these responses in support of, or in opposition to, any motion, in depositions, or at trial.

GENERAL OBJECTIONS

1. Because Peloton has not concluded its discovery, investigation, and review of the accuracy and completeness of the information available, Peloton specifically reserves the right to amend and supplement these objections and responses.

2. To the extent Third-Party Defendants' definitions or instructions purport to impose obligations on Peloton beyond those set forth in the Federal Rules of Civil Procedure, Peloton objects to such definitions or instructions.

3. Peloton's reservation of rights and general objections relate to all discovery responses. To the extent any one or more of the general objections are cited in a specific response, the citation(s) are provided because they are believed to be particularly applicable to the specific Request, and such citation(s) is/are not to be construed as a waiver of any other general objection to that Request.

OBJECTIONS TO DEFINITIONS

4. Peloton objects to the definitions of "you" and "your" and "Peloton" because they are overly broad, without reasonable limitation in scope, vague, ambiguous, and unintelligible as they include not only Peloton Interactive, Inc., but also "any company name under which Peloton is doing business; and its predecessor or successor, and any past or present parents, subsidiaries, affiliates, divisions, joint ventures, licensees, franchisees, assigns or other related business entities, as well as directors, officers, employees, agents, distributors, salespersons, sales representatives, and each person acting or purporting to act on its or their behalf or under its or their control." The definitions of these terms extend the scope of the Requests to information beyond the possession, custody, or control of Peloton Interactive, Inc., and seek admission as to distinct parties separate and apart from Peloton Interactive, Inc. Peloton will construe the Requests as being limited to Peloton Interactive, Inc. and its employees involved in the subject claims and will respond accordingly.

5. Peloton objects to the definition of "VDG" because it is overly broad, without reasonable limitation in scope, vague, ambiguous, and unintelligible as it includes not only Villency Design Group, LLC, but also "its directors, officers, employees, agents, distributors, salespersons, sales representatives, and each person acting or purporting to act on its or their behalf or under its or their control." The definition of this term extends the scope of the Requests to

information beyond Peloton's possession, custody, or control. Peloton will construe the definition in the Requests as being limited to Villency Design Group, LLC and will respond accordingly.

6. Peloton objects to the definition of "513 Patent" to the extent that any Request with this term seeks implicit admission of the validity of said patent.

7. Peloton objects to the definition of "Peloton Bike" to the extent that any Request with this term seeks implicit admission that the said bike infringes any patent.

8. Peloton objects to the definition of "Peloton Interactive System" to the extent that any Request with this term seeks implicit admission that the said system infringes any patent.

REQUESTS FOR ADMISSION

REQUEST FOR ADMISSION No. 1

The Peloton Bike has a "ride only" function.

RESPONSE TO REQUEST FOR ADMISSION No. 1

Peloton incorporates its objection to the definition of the term "Peloton Bike" as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined term "ride only" because it fails to specify the features or capabilities to which it refers.

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that a Peloton exercise bicycle may mechanically be pedaled regardless of whether the device has power.

REQUEST FOR ADMISSION No. 2

The Peloton Bike's "ride only" function means that the rider rides the Peloton Bike without being logged-in to the Peloton Interactive System.

RESPONSE TO REQUEST FOR ADMISSION No. 2

Peloton incorporates its objections to the definitions of the terms "Peloton Bike" and

“Peloton Interactive System” as set forth above. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2).

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that a Peloton exercise bicycle may mechanically be pedaled regardless of whether the device has power.

REQUEST FOR ADMISSION No. 3

A rider can exercise on the Peloton Bike without the Peloton Interactive System being on.

RESPONSE TO REQUEST FOR ADMISSION No. 3

Peloton incorporates its objections to the definitions of the terms “Peloton Bike” and “Peloton Interactive System” as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined term “exercise” because it fails to specify the act or method to which it refers.

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that a Peloton exercise bicycle may mechanically be pedaled regardless of whether the device has power.

REQUEST FOR ADMISSION No. 4

Peloton offers its riders the ability to ride the Peloton Bike as guests in Peloton’s studio.

RESPONSE TO REQUEST FOR ADMISSION No. 4

Peloton incorporates its objections to the definitions of the terms “Peloton” and “Peloton Bike” as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined term “studio” because it fails to specify the physical or virtual place to which it refers. Peloton objects to this Request as vague and ambiguous as to the undefined term “guests.” Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of

Federal Rule of Civil Procedure 36(a)(2).

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that users can ride a Peloton exercise bicycle at the Peloton facility at 140 West 23rd Street, New York, New York 10011.

REQUEST FOR ADMISSION No. 5

Riders who ride the Peloton Bike as guests are not logged-in to the Peloton Interactive System.

RESPONSE TO REQUEST FOR ADMISSION No. 5

Peloton incorporates its objections to the definitions of the terms “Peloton Bike” and “Peloton Interactive System” as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined term “guests” because it fails to specify the riders to which it refers. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2).

Subject to and without waiving the foregoing objections, Peloton responds as follows: DENIED.

REQUEST FOR ADMISSION No. 6

The ‘513 Patent was disclosed in one or more Peloton patent applications.

RESPONSE TO REQUEST FOR ADMISSION No. 6

Peloton incorporates its objections to the definitions of the terms “‘513 Patent” and “Peloton” as set forth above. Peloton objects to this Request as vague and overbroad, and seeks information that is irrelevant to the subject matter of the litigation.

Subject to and without waiving the foregoing objections, Peloton responds as follows: ADMITTED.

REQUEST FOR ADMISSION No. 7

VDG's scope of work under its contracts with Peloton was limited to the physical design of the Peloton Bike.

RESPONSE TO REQUEST FOR ADMISSION No. 7

Peloton incorporates its objections to the definitions of the terms "VDG," "Peloton," and "Peloton Bike" as set forth above. Peloton objects to this Request as vague and overbroad as to time, and seeks information that is irrelevant to the subject matter of the litigation. Peloton objects to this Request as vague and ambiguous as to the undefined term "contracts" because it fails to specify the documents to which it refers. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2).

Subject to and without waiving the foregoing objections, Peloton responds as follows:
DENIED.

REQUEST FOR ADMISSION No. 8

VDG's scope of work under its contracts with Peloton did not include software design, app design, or programming.

RESPONSE TO REQUEST FOR ADMISSION No. 8

Peloton incorporates its objections to the definitions of the terms "VDG" and "Peloton" as set forth above. Peloton objects to this Request as vague and overbroad as to time, and seeks information that is irrelevant to the subject matter of the litigation. Peloton objects to this Request as vague and ambiguous as to the undefined term "contracts" because it fails to specify the documents to which it refers. Peloton objects to this Request as vague and ambiguous as to the undefined terms "software design," "app design," and "programming" because the Request fails to specify the types of activity or services to which the terms refer. Peloton objects to this Request

as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). Peloton also objects because, by its terms, the Request seeks multiple admissions as to multiple activities and services.

Subject to and without waiving the foregoing objections, Peloton responds as follows:
DENIED.

REQUEST FOR ADMISSION No. 9

VDG did not design the Peloton Bike's integrated tablet computer.

RESPONSE TO REQUEST FOR ADMISSION No. 9

Peloton incorporates its objections to the definitions of the terms "VDG" and "Peloton Bike" as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined term "integrated tablet computer" because it fails to specify the item to which it refers. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). Peloton objects to this Request as it seeks admissions for another party and seeks admission of a fact to which Peloton cannot admit; whether VDG designed a certain product is not within Peloton's possession, custody, or control.

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that VDG did not design the form factor of the Peloton Bike's integrated tablet computer but denies that VDG's scope of work did not interface with the functions and features of the Peloton Bike's integrated tablet computer.

REQUEST FOR ADMISSION No. 10

VDG did not design or program the Peloton Interactive System software.

RESPONSE TO REQUEST FOR ADMISSION No. 10

Peloton incorporates its objections to the definitions of the terms "VDG" and "Peloton

Interactive System” as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined terms “design” and “program” because the Request fails to specify the activity or service to which the terms refer. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). As phrased, the Request seeks multiple admissions, including acceptance of Third-Party Defendants’ definitions of “VDG” and “Peloton Interactive System,” and admissions as to multiple activities and services.

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that VDG did not program the Peloton Interactive System software but denies that VDG’s scope of work did not interface with the functions and features of the Peloton Bike’s integrated tablet computer.

REQUEST FOR ADMISSION No. 11

Peloton obtained and relied on the advice of its patent counsel with respect to patents affecting the Peloton Interactive System.

RESPONSE TO REQUEST FOR ADMISSION No. 11

Peloton incorporates its objections to the definitions of the terms “Peloton” and “Peloton Interactive System” as set forth above. Peloton objects to this Request as vague and overbroad as to time, and seeks information that is irrelevant to the subject matter of the litigation. Peloton objects to this Request as vague and ambiguous as to the undefined terms “relied on” and “affecting.” Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). By its terms, this Request seeks admissions as to multiple actions by Peloton, and implicit admission as to the existence and validity of certain patents. Peloton objects to the extent this Request seeks disclosure of attorney-

client or attorney-work-product privileged information. This Requests impermissibly calls for the disclosure of attorney client communications and further calls for Peloton to draw legal conclusions concerning what patents do or do not “affect the Peloton Interactive System.”

Subject to and without waiving the foregoing objections, Peloton responds as follows: Peloton admits that it has consulted with patent counsel.

REQUEST FOR ADMISSION No. 12

Peloton was aware of the existence of the ‘513 patent before August 4, 2016.

RESPONSE TO REQUEST FOR ADMISSION No. 12

Peloton incorporates its objections to the definitions of the terms “Peloton” and “‘513 Patent” as set forth above.

Subject to and without waiving the foregoing objections, Peloton responds as follows: Admitted.

REQUEST FOR ADMISSION No. 13

Peloton never made any offer to Microsoft Technology Licensing, LLC to purchase the ‘513 patent from Microsoft Technology Licensing, LLC before August 4, 2016.

RESPONSE TO REQUEST FOR ADMISSION No. 13

Peloton incorporates its objections to the definitions of the terms “Peloton” and “‘513 Patent” as set forth above. Peloton further objects to this Request to the extent that it seeks a legal conclusion.

Subject to and without waiving the foregoing objections, Peloton responds as follows: Admitted.

REQUEST FOR ADMISSION No. 14

Soul Cycle is a competitor of Peloton.

RESPONSE TO REQUEST FOR ADMISSION No. 14

Peloton incorporates its objection to the definition of the term “Peloton” as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined terms “competitor,” and because it seeks information that is irrelevant to the subject matter of the litigation.

Subject to and without waiving the foregoing objections, Peloton responds as follows:
DENIED.

REQUEST FOR ADMISSION No. 15

At the time Peloton entered into its first contract with VDG, Peloton was aware that VDG had performed bicycle design work for Soul Cycle.

RESPONSE TO REQUEST FOR ADMISSION No. 15

Peloton incorporates its objections to the definitions of the terms “Peloton” and “VDG” as set forth above. Peloton objects to this Request as vague and ambiguous as to the undefined term “design” because the Request fails to specify the activity or service to which the term refers. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). Peloton objects to this Request as vague, and further that it seeks information that is irrelevant to the subject matter of the litigation.

Subject to and without waiving the foregoing objections, Peloton responds as follows:
Admitted.

REQUEST FOR ADMISSION No. 16

One reason Peloton hired VDG to design the Peloton Bike was that VDG had performed bicycle design work for Soul Cycle.

RESPONSE TO REQUEST FOR ADMISSION No. 16

Peloton incorporates its objections to the definitions of the terms “Peloton,” “VDG,” and

“Peloton Bike” as set forth above. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). As phrased, the Request seeks multiple admissions, including acceptance of Third-Party Defendants’ definitions of “Peloton,” “VDG,” and “Peloton Bike,” that Peloton hired VDG, and implicitly that VDG was hired to design the said Peloton Bike and that VDG had performed bicycle design work for Soul Cycle. Peloton objects to this Request to the extent it seeks admissions for another party and therefore seeks admission of a facts to which Peloton cannot admit.

Subject to and without waiving the foregoing objections, Peloton responds as follows:
DENIED.

REQUEST FOR ADMISSION No. 17

On August 10, 2016, Coffey and Villency met with John Foley at The Soho House and told him that they had purchased the ‘513 Patent.

RESPONSE TO REQUEST FOR ADMISSION No. 17

Peloton incorporates its objection to the definition of the term “‘513 Patent” as set forth above. Peloton objects to this Request as impermissibly compound, conjunctive or disjunctive in violation of Federal Rule of Civil Procedure 36(a)(2). As phrased, the Request seeks multiple admissions, including acceptance of Third-Party Defendants’ definition of the “‘513 Patent,” that the said parties met on the said date, that the said meeting occurred at the said location, and that the parties discussed the said topic.

Subject to and without waiving the foregoing objections, Peloton responds as follows:
Admitted.

//

//

Dated: New York, New York

June 4, 2018

/s/ Steven G. Schortgen

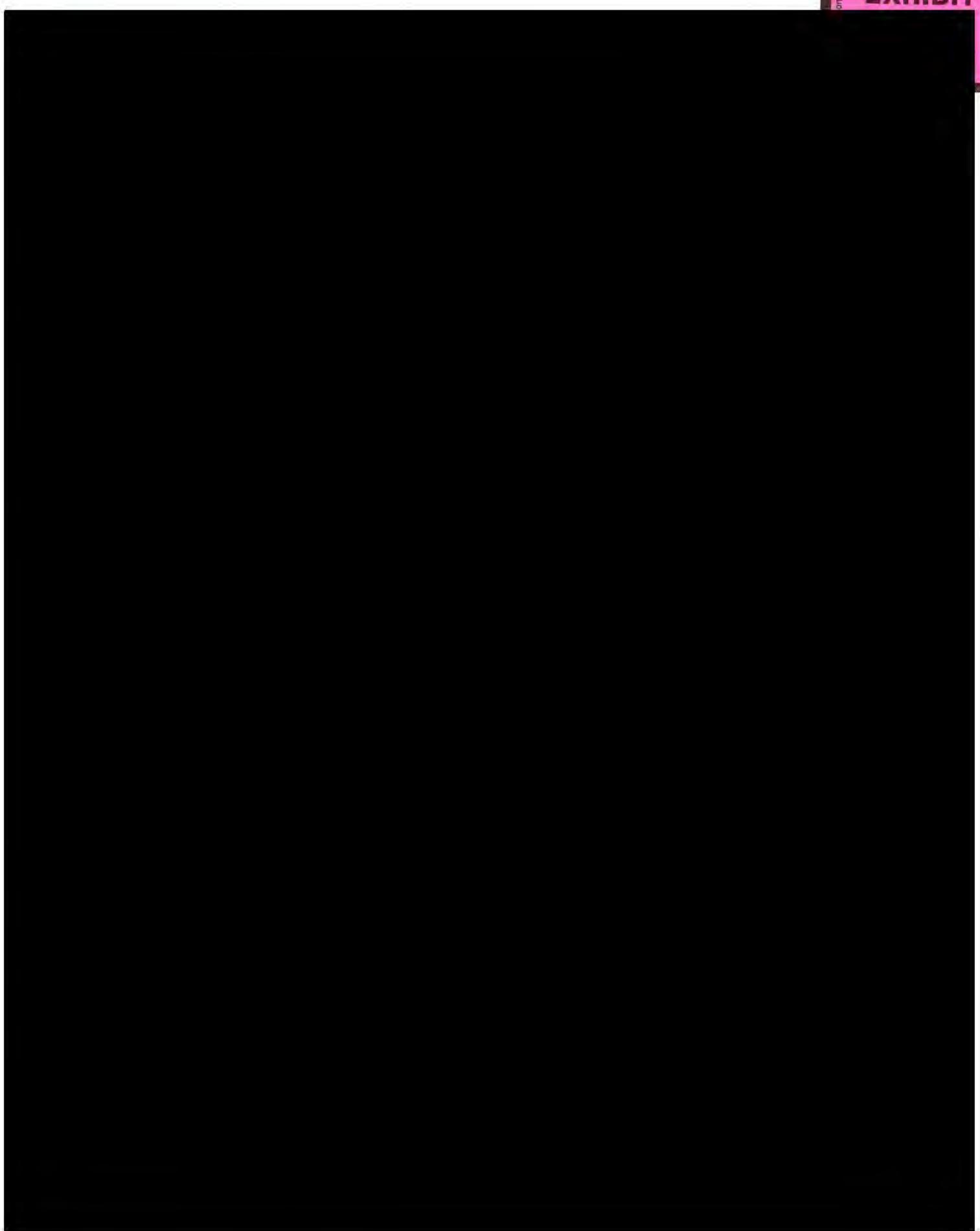
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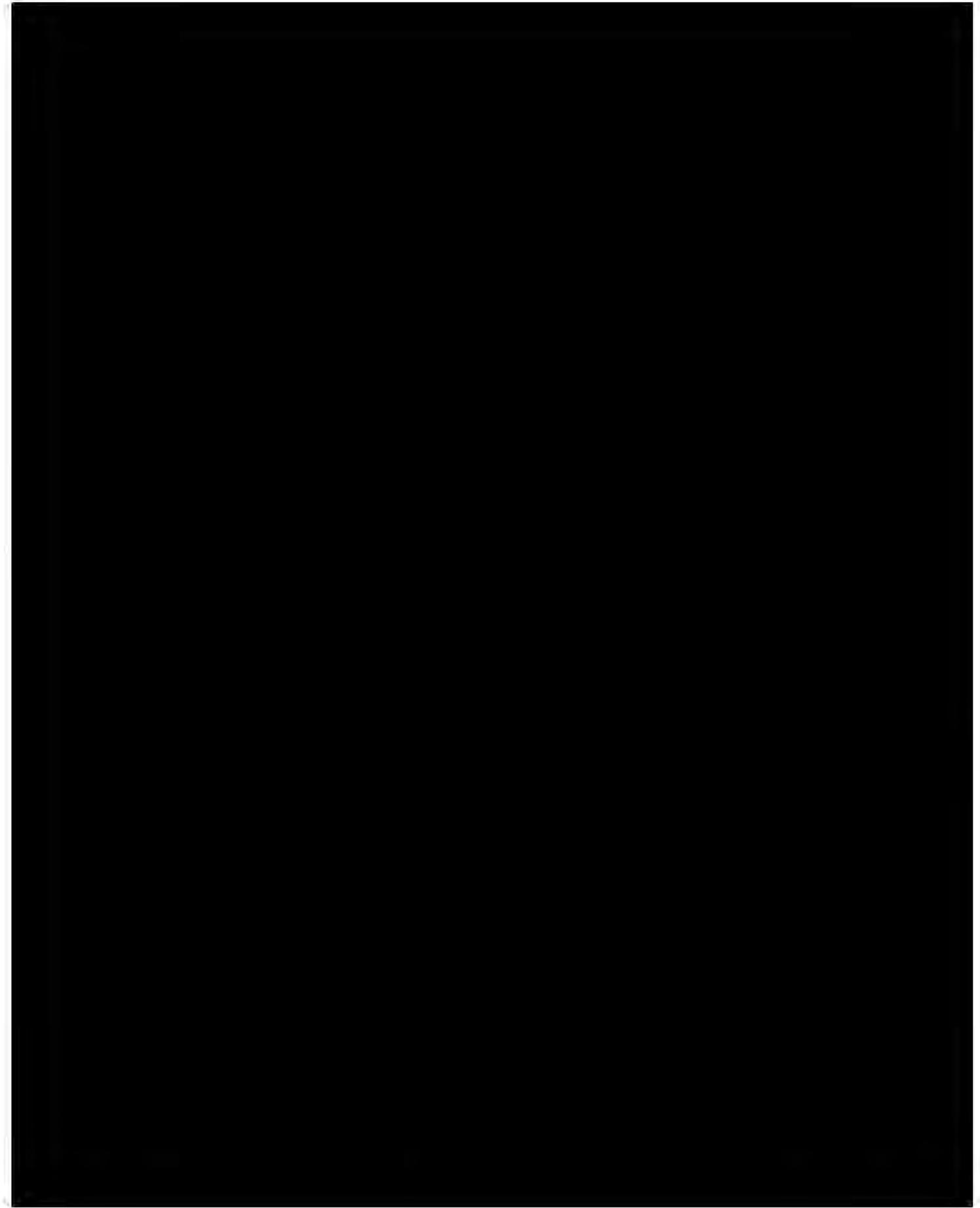
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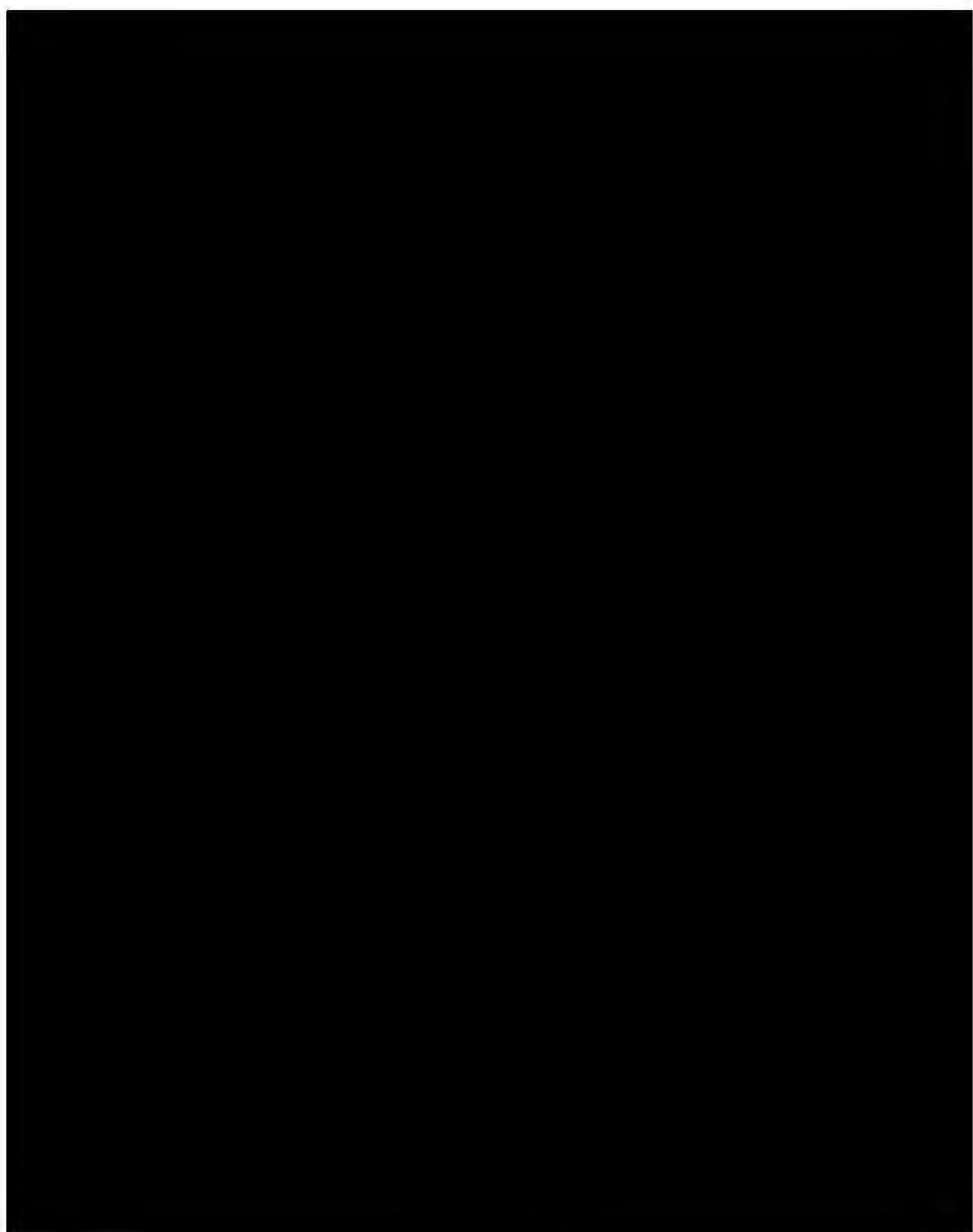
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**ATTORNEYS FOR DEFENDANT AND
THIRD-PARTY PLAINTIFF PELOTON
INTERACTIVE, INC.**

EXHIBIT 61







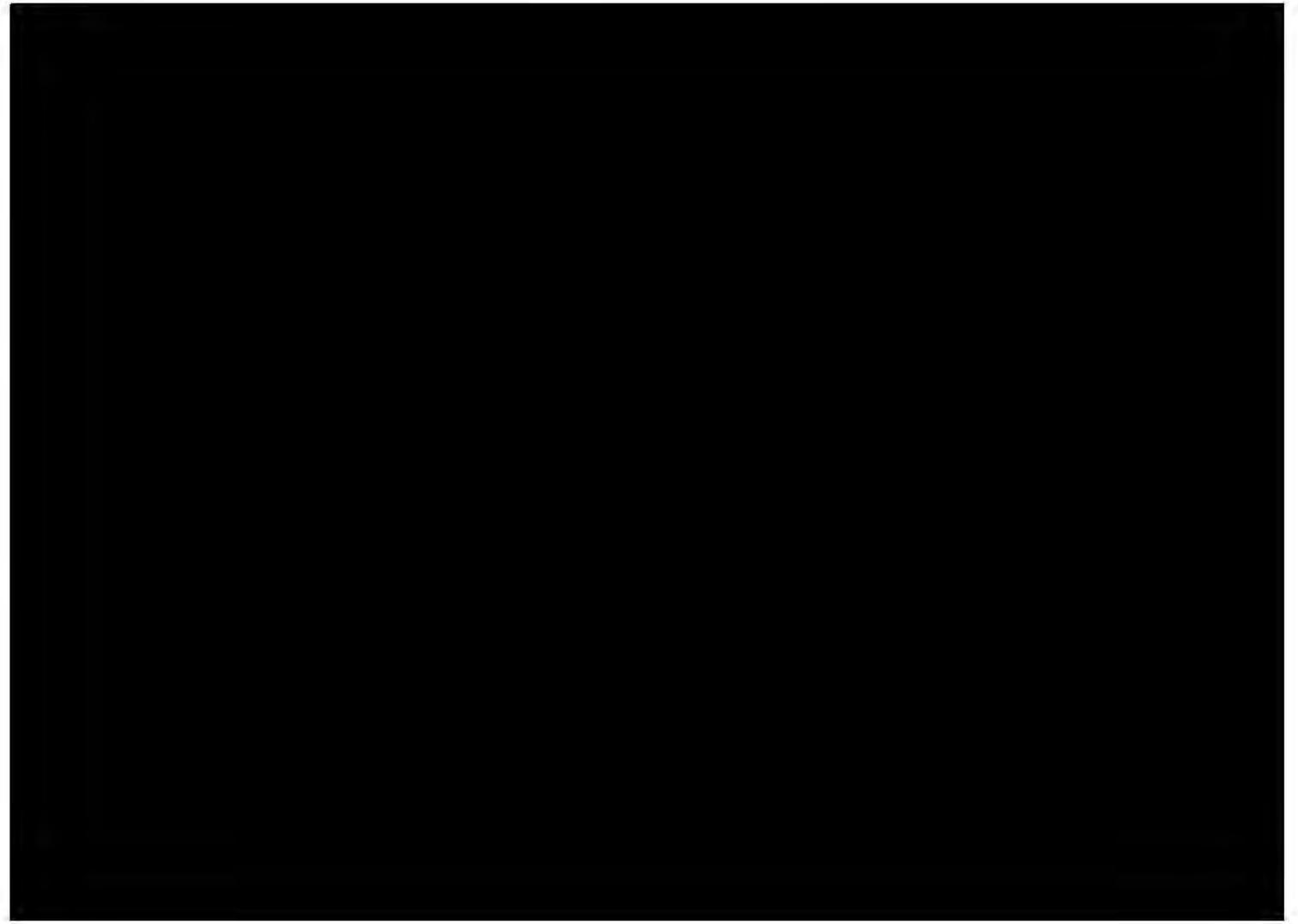


EXHIBIT 62

1 IN THE UNITED STATES DISTRICT COURT
2 FOR THE DISTRICT OF NEW YORK
3 VR OPTICS, LLC,)
4)
5 Plaintiff)
6)
7 VS.) CIVIL ACTION
8) NO. 1:16-cv-06392 (JPO)
9 PELOTON INTERACTIVE, INC.,)
10 a Delaware Corporation,)
11)
12 Defendant)
13

14 PELOTON INTERACTIVE, INC.,)
15 a Delaware Corporation,)
16)
17 Third-Party Plaintiff)
18)
19 VS.)
20)
21 VILLENCY DESIGN GROUP, LLC,)
22 ERIC VILLENCY and JOSEPH)
23 COFFEY,)
24)
25 Third-Party Defendants)
26

27 -----
28 VIDEOTAPED ORAL DEPOSITION OF
29 R. LEE RAWLS
30 APRIL 25, 2019
31 ****CONFIDENTIAL****
32 -----
33
34 REPORTED BY KATHRYN R. BAKER, RPR, CSR
35 JOB #159419

1 VIDEOTAPED ORAL DEPOSITION OF R. LEE RAWLS,
2 produced as a witness at the instance of the PLAINTIFF,
3 and duly sworn, was taken in the above-styled and numbered
4 cause on the 25th day of April, 2019, from 9:13 a.m. to
5 4:05 p.m., before Kathryn R. Baker, CSR, RPR, in and for
6 the State of Texas, reported by machine shorthand, at the
7 offices of Sheppard, Mullin, Richter & Hampton, LLC,
8 2200 Ross Avenue, 24th Floor, in the City of Dallas, State
9 of Texas, pursuant to the Federal Rules of Civil
10 Procedure.

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1 A P P E A R A N C E S

2 FOR THE PLAINTIFF:

3 Mr. Charles Carson
BAKER & HOSTETLER
1050 Connecticut Avenue
4

5 Washington, DC 20036

6

7 -and-

8 Mr. James Hatten
BAKER & HOSTETLER
1170 Peachtree Street NE

9 Atlanta, Georgia 30309

10

11 FOR THE DEFENDANT/THIRD-PARTY PLAINTIFF:

12 Mr. Steven Schortgen
13 Mr. Galyn Gafford
SHEPPARD, MULLIN, RICHTER & HAMPTON
14 2200 Ross Avenue
15 Dallas, Texas 75201

16

17 ALSO PRESENT:

18 Mr. Brandon Drake, Videographer

19

20

21

22

23

24

25

[REDACTED]

[REDACTED] [REDACTED]

EXHIBIT 63

EXHIBIT 64

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION**

PELOTON INTERACTIVE, INC., §
§
Plaintiff, § Case No. 2:18-cv-00390-RWS-RSP
§
v. §
§
FLYWHEEL SPORTS, INC., §
§
Defendants. §

MEMORANDUM ORDER

Defendant Flywheel Sports, Inc. (hereinafter “Flywheel”) filed a Motion to Transfer Pursuant to 28 U.S.C. § 1404(a), which is now before the Court. (Dkt. No. 17.)¹ This Motion seeks to transfer this case from the Eastern District of Texas to the Southern District of New York. Proper venue is not contested, as both parties have regular and established places of business in this district and Plaintiff has more than 100 employees at its “second headquarters” in the district. After consideration of the parties’ briefing, the Court finds that Flywheel has not established that venue would be clearly more convenient in the SDNY.

I. APPLICABLE LAW

“For the convenience of parties and witnesses, in the interest of justice, a district court may transfer any civil action to any other district or division where it might have been brought or to any district or division to which all parties have consented.” 28 U.S.C. § 1404(a). To determine whether venue transfer is appropriate under § 1404(a), the Fifth Circuit has adopted several private and public interest factors. *In re Volkswagen of Am., Inc.*, 545 F.3d 304, 315 (5th Cir. 2008)

¹ The Court will not consider the new evidence that Defendant attached to its Reply Brief. *Chrimar Systems, Inc. v. Dell, Inc.*, 2016 WL 9275408 (E.D. Tx. 2016).

(“*Volkswagen II*”). The private interest factors include (1) the availability of compulsory process to secure the attendance of witnesses; (2) the cost of attendance for willing witnesses; (3) the relative ease of access to sources of proof; and (4) all other practical problems that make trial of a case easy, expeditious, and inexpensive. *Id.* The public interest factors include (1) the administrative difficulties flowing from court congestion; (2) the local interest in having localized interests decided at home; (3) the familiarity of the forum with the law that will govern the case; and (4) the avoidance of unnecessary problems of conflict of laws. *Id.*

A plaintiff’s choice of venue is not an express factor in the analysis. *Seven Networks, LLC v. Google LLC*, 2:17-CV-00442-JRG, 2018 U.S. Dist. LEXIS 146375, at *8 (citing *Volkswagen II*, 545 F.3d at 315). However, a moving defendant must demonstrate that the proposed venue is clearly more convenient than the original venue. *Id.* (citing *Volkswagen II*, 545 F.3d at 315). By applying this heightened standard, the plaintiff’s choice of forum is given the appropriate deference. *Id.* (citing *Volkswagen II*, 545 F.3d at 315).

Motions to transfer venue “are to be decided based on ‘the situation which existed when suit was instituted.’” *Evolutionary Intelligence, LLC v. Apple, Inc.*, Case No. 6:12-cv-00783, 2013 U.S. Dist. LEXIS 187467, *11 (E.D. Tex. Aug. 27, 2013) (quoting *In re EMC Corp.*, 501 Fed. Appx. 973, 976 (Fed. Cir. 2013) (quoting *Hoffman v. Blaski*, 363 U.S. 335, 343 (1960))). However, the analysis may consider circumstances that were “apparent at the time the suit was filed.” *In re EMC Corp.*, 501 Fed. Appx. at 976.

“‘A district court should assess the relevance and materiality of the information the witness may provide’ and where a party has ‘identified witnesses relevant to [the] issues [present in a case], [] the identification of those witnesses weighs in favor of [the identifying party].’” *Seven Networks*, 2018 U.S. Dist. LEXIS 146375, at *8 (quoting *In re Genentech, Inc.*, 566 F.3d 1338, 1344 (Fed.

Cir. 2009)). “[T]o properly analyze convenience, specific witnesses should be identified with, at a minimum, a general statement providing the expected relevant and material information to the litigation at hand.” *Realtime Data, LLC v. Rackspace US, Inc.*, 2017 WL 772653, at *10 (E.D. Tex. Feb. 28, 2017).

II. ANALYSIS

As an initial matter, the Court notes that this case could have been brought in the S.D.N.Y. Peloton does not contest this point. (Dkt. No. 25 at 2.) Accordingly, the Court focuses its analysis on the convenience factors to see whether SDNY is a clearly more convenient forum than EDTD.

The parties do not argue that either “the avoidance of unnecessary problems of conflict of laws” or the “familiarity of the forum with the law that will govern the case” factors weigh one way or the other. (Dkt. No. 17 at 14; *see* Dkt. No. 25 at 11–15 (providing no discussion of these factors when addressing the public interest factors).) The Court therefore finds these factors to be neutral. The Court will address each of the remaining public and private interest factors below.

a. The availability of compulsory process to secure the attendance of witnesses

This factor is directed towards unwilling third-party witnesses. *Seven Networks*, 2018 WL 4026760, at *7 (citing *Volkswagen II*, 545 F.3d at 316). Flywheel identifies Yu Feng² and Christopher Sira, who were inventors of the asserted patents. (Dkt. No. 17 at 8; U.S. Pat. No. 9,174,085 at [72]; U.S. Pat. No. 9,233,276 at [72].) However, Feng is a party witness as he currently serves as Peloton’s Chief Technology Officer. (Dkt. No. 25 at 7 (citing Foley Decl. at ¶ 4).) Further, Sira is willing to attend the trial, making compulsory process unnecessary for him. (*Id.* (citing Dkt. No. 25-6 at ¶ 4).) Accordingly, the Court concludes that Feng and Sira would be

² The parties discuss a Yu Feng and a Yony Feng, but it appears that both of these names are referring to the same person.

more appropriately considered under other factors and that they do not provide support for this factor.

Flywheel also identifies Eric Villency and Joseph Coffey of the Villency Design Group (hereinafter “VDG”) as potential witnesses. (Dkt. No. 17 at 9.) However, the Court concludes that Villency and Coffey do not provide any support for a transfer to SDNY.

VR Optics, LLC., a company owned by Villency and Coffey, is currently asserting U.S. Patent No. 6,902,513 (hereinafter “’513 Patent”) against Peloton in SDNY,³ and Peloton filed a third-party complaint in that action against Villency, Coffey, and VDG, which is another company owned by Villency and Coffey. *VR Optics*, Dkt. No. 57 at 1–2. VR Optics, LLC purchased the ’513 Patent and then sued Peloton for infringement in *VR Optics*. *VR Optics*, Dkt. No. 1 at ¶ 8 (stating within *VR Optics*’ Complaint that “VR Optics purchased the ‘513 patent from Microsoft. . .”).

Flywheel states that “Villency and Coffey were involved in the development of the Peloton bike, and Peloton has alleged that their design firm [VDG] represented that Peloton’s bike did not infringe certain prior art patents closely related to the Asserted Patents.” (Dkt. No. 17 at 9.) Flywheel asserts that Villency and Coffey will testify about “technology at the heart of the asserted patents” and its relationship to the prior art. (Dkt. No. 28 at 3.) Flywheel asserts that the ’513 Patent is one of those prior art patents and that the patent is closely related to the technology at issue in this case. (*Id.*) Peloton argues that VDG “was involved solely in the design of the physical Peloton bike” and “had zero involvement with any of the patented technology at issue in this case.” (Dkt. No. 25 at 7.)

³ *VR Optics, LLC v. Peloton Interactive, Inc.*, 1:16-cv-06392 (S.D.N.Y.). The Court will refer to this case as “*VR Optics*.”

The Court concludes that Flywheel has failed to show that Villency and Coffey will provide information that has any significant relevance to this case. While Flywheel asserts that it intends to call Villency and Coffey to testify about “technology at the heart of the asserted patents” and its relationship to the prior art, Flywheel does not explain how the technology that Villency and Coffey may testify about is at the heart of the asserted patents. (Dkt. No. 28 at 3.) This is a conclusory statement that is contradicted by the patents themselves—the claims of the asserted patents are largely directed to methods for providing live and archived cycling classes to remote users, focusing on telecommunications and the management of data rather than any aspects of the physical bike. Peloton has asserted that Villency and Coffey were only involved in the design of the physical Peloton bike, and Flywheel has not persuasively rebutted that assertion.

In the *VR Optics* case, Peloton alleged that (1) VDG represented and warranted that Peloton’s bike did not infringe upon any patent rights of others and (2) VDG should therefore indemnify Peloton for the infringement claims based on the ’513 Patent. (Dkt. No. 17 at 3–4 (citing Dkt. No. 17-5 at ¶ 46; *VR Optics*, Dkt. No. 42 at ¶ 46 (citing language from a Design, Development and Manufacturing Agreement between VDG and Peloton that “the Bike Intellectual Property does not and will not infringe upon the rights of any third party.”)). While Flywheel points to those allegations made by Peloton for support, none of those alleged representations show that VDG’s owners, Villency and Coffey, will be able to provide testimony with any significant relevance to this case, which involves entirely different patents.⁴

Flywheel does not specify Villency’s or Coffey’s anticipated testimony other than to say that they will talk about the technology generally. However, “[p]rior art inventors, while theoretically relevant, rarely testify, and their locations should be given little weight.” *Affinity Labs*

⁴ Peloton was asserting that VDG was responsible for incorporating the placement and design of a tablet into the structure of the stationary bike and that the stationary bike was part of the allegedly infringing system in that case.

of Texas v. Samsung Elecs. Co., 968 F. Supp. 2d 852, 857 (E.D. Tex. 2013) (citing *PersonalWeb Techs., LLC v. NEC Corp. of Amer., Inc.*, 2013 WL 9600333, at *8 n.13 (E.D. Tex. Mar. 21, 2013)). Here, Villency and Coffey were not even inventors of the other patent—their company, VR Optics, was assigned the patents. Thus, Villency and Coffey appear to have even less relevance to these patents than the inventor would. Because the parties have not identified any other witnesses that should be considered under this factor, the Court concludes that this factor is neutral.

b. The cost of attendance for willing witnesses.

When considering this factor, the court should consider all potential material and relevant witnesses. *Seven Networks*, 2018 WL 4026760, at *9. However, “[t]his factor primarily concerns the convenience of nonparty witnesses,” and “the convenience of party witnesses is given little weight.” *Id.* (quoting *USPG Portfolio Two, LLC v. John Hancock Real Estate Fin., Inc.*, No. 3:10-CV-2466-D, 2011 WL 1103372, at *4 (N.D. Tex. Mar. 25, 2011)).

i. Willing nonparty witnesses

Because Christopher Sira is a willing nonparty witness (Dkt. No. 25-6 at ¶ 4), he is appropriately considered under this factor. Flywheel asserts that Sira resides in the New York City Metropolitan Area. (Dkt. No. 17 (citing Dkt. No. 17-8 at 3) (showing Sira as having a New York City address on an application data sheet for the asserted patents)). Flywheel asserts that Sira “is likely to have relevant information regarding the development and prosecution of the Asserted Patents. . . .” (*Id.* at 8.) Sira would have to travel a much greater distance if the trial took place in EDTX instead of SDNY, suggesting that SDNY would be more convenient for him.

Peloton argues that a trial in EDTX would be more convenient than SDNY for Hans S. Woolley. (Dkt. No. 25 at 9.) Woolley is a nonparty witness as he states that he is not an employee of Peloton, and he is another named inventor on the patents-in-suit. (Dkt. No. 25-7 at ¶¶ 2–3.)

Peloton provides a declaration from Woolley, which states that “because of my residence in Los Angeles, attending trial in Eastern District of Texas would be more convenient for me than the Southern District of New York.” (*Id.* at ¶¶ 4, 6.) Accordingly, the inconvenience of a trial in SDNY to Woolley weighs against transfer.

ii. Willing party witnesses

Where the vast number of a defendant’s employees, including those that were responsible for projects related to the accused products, work in the proposed venue, the Federal Circuit determined that this fact supported transfer. *In re Google Inc.*, No. 2017-107, 2017 WL 977038, at *3 (Fed. Cir. Feb. 23, 2017). Here, Flywheel states that all of its employees responsible for the design, development, testing, marketing, and sales of the accused product work and reside in the SDNY and surrounding communities. (Dkt. No. 17 at 7 (citing Cohen Decl. at ¶¶ 4–5, 8–10).) However, Peloton has shown that less than 8% of Flywheel’s employees actually work in the SDNY, and Flywheel does not identify any specific employee that they will have testify. This failure limits the weight that should be given to this factor—without specific people and locations identified, the Court cannot fully analyze the convenience in one forum versus another. *Seven Networks*, 2018 WL 4026760, at *5 (quoting *Oyster Optics, LLC v. Coriant Am. Inc.*, No. 2:16-cv-1302, 2017 WL 4225202, at *6 (E.D. Tex. Sept. 22, 2017)). Further, “the convenience of party witnesses is given little weight.” *Id.* at *9.

Flywheel also asserts that most of Peloton’s employees involved in the production of their competing product are also located in or near SDNY based on representations made by Peloton in 2016 that its operations were based in New York. (*Id.* (citing Dkt. No. 27-3 at 2–3, 8).) However, this representation does not apply two years later, especially since Peloton had opened a new

headquarters in Texas before the lawsuit was commenced. (Dkt. No. 25 (citing Dkt. No. 25-3 at ¶ 5.) Accordingly, Peloton’s 2016 representations provide negligible support for this factor.

Flywheel’s arguments with respect to Yu Feng fit within this factor as he is a party witness for Peloton. (Dkt. No. 25-2 at ¶ 4.) Flywheel argues that Feng is “likely to have relevant information regarding the development and prosecution of the Asserted Patents, and Flywheel expects to seek [his] testimony. . . .” (Dkt. No. 17.) Since Feng has declared his preference for a trial in this district, he adds little support for transfer under this factor.

Both parties have shown inconvenience to a willing nonparty witness that supports their positions under this factor, and the overall amount of inconvenience will be approximately the same in either venue with respect to those willing nonparty witnesses. However, the showing with regard to willing party witnesses weighs in favor of transfer but that factor does not weigh heavily in the analysis.

c. The relative ease of access to sources of proof.

This is an action between competitors, both of which have extensive relevant documents. Flywheel argues that “all of its documents that are likely to be most relevant to this action are located in the Southern District of New York.” (Dkt. No. 17 at 10.). Similarly, Peloton points to its second headquarters in this district. The purpose of §1404 is not to transfer the convenience from one party to the other. Flywheel has not established that the sources of proof are clearly more accessible to the SDNY.

d. Other practical problems that make trial of a case easy, expeditious, and inexpensive.

Flywheel argues that two infringement lawsuits have already been filed against Peloton in SDNY. (Dkt. No. 17 at 11.) These two cases are *Icon Health & Fitness, Inc. v. Peloton Interactive, Inc.*, 16-CV-8303 (S.D.N.Y.) and the *VR Optics* case referenced above.

“[T]he existence of multiple lawsuits involving the same issues is a paramount consideration when determining whether a transfer is in the interest of justice.” *In re Volkswagen of Am., Inc.*, 566 F.3d 1349, 1351 (Fed. Cir. 2009). “[T]o permit a situation in which two cases involving precisely the same issues are simultaneously pending in different District Courts leads to the wastefulness of time, energy and money that § 1404(a) was designed to prevent.” *Id.* (quoting *Continental Grain Co. v. The FBL-585*, 364 U.S. 19, 26 (1960)).

Neither *Icon Health* nor *VR Optics* provides any support for transferring this case to SDNY. Neither case had anything to do with the Peloton patents asserted here. Peloton was merely defending against claims involving other competitors. Nor was Flywheel a party to those cases. Thus, the SDNY is not familiar with the patents being asserted here and no risk of contradictory decisions exists if this Motion to Transfer is denied. Furthermore, SDNY is a large district, and there is no guarantee that this case would be presented to the same judge that is presiding over the *VR Optics* case. The identification of one case involving stationary bikes in that district does not provide support for a transfer. The Court therefore concludes that this factor is neutral.

e. Administrative difficulties flowing from court congestion.

This factor weighs against transferring the case. “The relevant inquiry under this factor is ‘[t]he speed with which a case can come to trial and be resolved . . .’” *Seven Networks*, 2018 WL 4026760, at *14 (quoting *Genentech*, 566 F.3d at 1347).

Peloton shows that the average length of time between filing and trial in EDTX is 10.6 months less than it is in SDNY. (Dkt. No. 25 at 11–12 (citing Federal Judicial Caseload Statistics

2018 Tables, Table C-5 (Mar. 31, 2018), available at: <http://www.uscourts.gov/federal-judicial-caseload-statistics-2018-tables>.) Flywheel does not attempt to rebut Peloton’s argument in Flywheel’s Reply. Because the statistics show that a trial would likely occur more than 10 months earlier if the case proceeds in EDDTX, this factor weighs against a transfer. Peloton further argues that this case involves competitors, increasing the importance of this factor due to the increased harm from delay of trial.

f. Local interest in having localized interests decided at home.

“The Court must also consider local interest in the litigation because ‘[j]ury duty is a burden that ought not to be imposed upon the people of a community which has no relation to the litigation.’” *Mears Techs., Inc. v. Finisar Corp.*, No. 2:13-CV-376-JRG, 2014 WL 1652603, at *4 (E.D. Tex. Apr. 24, 2014) (quoting *In re Volkswagen AG*, 371 F.3d 201, 206 (5th Cir. 2004) (“*Volkswagen I*”)). This Court has found the localized interest factor to be neutral in past cases where this venue and the proposed venue both possessed a localized interest in the case. *Seven Networks*, 2018 WL 4026760, at *14 (Aug. 15, 2018); *Realtime Adaptive Streaming LLC v. Amazon.com, Inc.*, 2018 WL 4444097, *8 (E.D. Tex. 2018); *Parthenon Unified Memory Architecture LLC v. Apple Inc.*, No. 2:15-CV-00621-JRG-RSP, 2016 WL 4196663, at *6 (E.D. Tex. Aug. 9, 2016); *Mears*, 2014 WL 1652603, at *4 (Apr. 24, 2014).

SDNY has a local interest in the case. Flywheel argues that SDNY is where both parties were founded, where both parties are headquartered, and where the design of the accused and patent practicing products were designed and developed. However, the Court disagrees with Flywheel’s assertion that the EDDTX has no particularized interest in this controversy. Peloton has shown that “Peloton headquarters has been open and hiring employees in Plano since June 2018, three months before the Complaint in this case was filed.” (Dkt. No. 25 at 13 (Olson Decl. ¶ 5).)

Based the opening of that facility, it was apparent at that time the suit was instituted that a large number of employees would be hired in that location. Peloton had 135 employees in its Plano headquarters on November 29, 2018 (Dkt. No. 25-3 at 12), and it likely had a large number of employees on September 12, 2018 when this case was filed. Further, Peloton points out that “Peloton has also had a showroom in Plano since March 2018, has seven showrooms throughout Texas, and has thousands of members in Texas, including 6,000 in this district alone.” (*Id.* at 12 (Olson Decl. ¶ 8–9).) This evidences a local interest in the EDDTX, as well.

Because both districts have local interests in this case, this factor is neutral.

III. CONCLUSION

Considering all of the evidence in the record, Flywheel has failed to show that trial in the SDNY would be clearly more convenient. Accordingly, the Court **DENIES** Defendant Flywheel Sports, Inc.’s Motion to Transfer Pursuant to 28 U.S.C. § 1404(a). (Dkt. No. 17.)

SIGNED this 30th day of May, 2019.



ROY S. PAYNE
UNITED STATES MAGISTRATE JUDGE

EXHIBIT 65

**UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK**

VR OPTICS, LLC,

Plaintiff,

v.

PELOTON INTERACTIVE, INC., a Delaware Corporation,

Defendant.

PELOTON INTERACTIVE, INC.,

Third-Party Plaintiff,

v.

VILLENCY DESIGN GROUP, LLC, ERIC VILLENCY and JOSEPH COFFEY,

Third-Party Defendants.

Civil No. 16-6392 (JPO)

**PLAINTIFF VR OPTICS, LLC'S
SUPPLEMENTAL INFRINGEMENT
CONTENTIONS**

Pursuant to Local Patent Rule 6 of the U.S. District Court for the Southern District of New York, Plaintiff VR Optics, LLC ("VRO") hereby submits its Supplemental Disclosure of Asserted Claims and Infringement Contentions to Defendant Peloton Interactive, Inc. ("Peloton"). VRO's disclosures demonstrate infringement with respect to certain claims and certain Accused Instrumentalities; however, VRO reserves the right to identify additional claims and additional accused instrumentalities as further investigation or discovery may warrant. VRO notes that this analysis is necessarily preliminary for reasons including that discovery is ongoing and no claim construction order has been issued. Further, VRO expects to present expert testimony in support of its infringement contentions at a later time and date in accordance with the Case Management

Plan and Scheduling Order. Accordingly, VRO expressly reserves its right to further supplement or amend its infringement contentions based upon further information obtained during the discovery process, claim construction, or from further analysis.

I. DISCLOSURE OF ASSERTED CLAIMS AND INFRINGEMENT CONTENTIONS

A. Infringed Claims

VRO alleges infringement of the following claims of U.S. Patent No. 6,902,513 (“the ‘513 Patent”): 1, 2, 3, 4, 5, 6, 12, 13, 15, 16, 17, 18, and 19. Peloton directly infringes the ‘513 Patent under 35 U.S.C. § 271(a) by making, using, selling and/or offering for sale the Accused Instrumentalities. Peloton indirectly infringes the ‘513 Patent under 35 U.S.C. § 271(b) by knowingly inducing its customers and/or end users to commit direct infringement when the customers use the Accused Instrumentalities. Peloton provides extensive instructions and support for the operation of the Accused Instrumentalities. Peloton also induces infringement through, for example, subscription agreements and/or licenses, advertisements, marketing materials, and/or manuals. Peloton contributorily infringes the ‘513 Patent under 35 U.S.C. § 271(c) offering for sale, selling, and/or importing in the United States the Accused Instrumentalities that constitute material components of the claimed inventions having no substantial noninfringing uses. Peloton’s customers and/or end users commit direct infringement when they use the Accused Instrumentalities.

B. Accused Instrumentalities

Based upon information presently available to it, VRO identifies the following Accused Instrumentalities with respect to each of the asserted claims:

- (a) any of Peloton’s fitness equipment, past or present, including the Peloton Bike (or Cycle) and the Peloton Tread;

(b) Peloton's system that enables the Peloton Bike (or Cycle) to (i) communicate with other Peloton Bikes (or Cycles) and (ii) display "live" classes, "on-demand" classes, and "scenic rides;" and

(c) Peloton's system that enables the Peloton Tread to (i) communicate with other Peloton Treads and (ii) display "live classes" and "on-demand" classes.

C. Claim Charts

VRO's supplemental claim charts relating the Accused Instrumentalities to the Asserted Claims are provided as Exhibits A and B. Exhibit A is VRO's claim chart relating to the Peloton Bike (or cycle) and Exhibit B is VRO's claim chart relating to the Peloton Tread.

D. Doctrine of Equivalents

VRO alleges that Defendant literally infringes all claims identified above. To the extent that Defendant alleges that a claim element is not present in the Accused Instrumentalities, VRO contends that the Accused Instrumentalities also meet each element under the doctrine of equivalents. More specifically, in its investigation and analysis of the Accused Instrumentalities, VRO did not identify any differences, either substantial or otherwise, between the elements of the '513 Patent and the corresponding features of the Accused Instrumentalities, as set forth in Exhibits A and B. In each instance, the identified features of the Accused Instrumentalities perform substantially the same function in substantially the same way to achieve substantially the same result as the corresponding claim elements.

Dated: October 1, 2018

Respectfully submitted,

By: /s/ Michael D. Gannon _____

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CERTIFICATE OF SERVICE

I certify that a copy of the foregoing Plaintiff VR Optics, LLC's Supplemental Infringement Contentions was served upon the following via email on October 1, 2018:

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EXHIBIT A

Plaintiff VR Optics, LLC (“VR Optics”) provides the following infringement contentions with respect to infringement by Defendant Peloton Interactive, Inc. (“Peloton” or “Defendant”) of U.S. Patent No. 6,902,513 (“the ‘513 Patent”) in connection with the Accused Instrumentalities.

This chart demonstrates infringement with respect to certain claims and certain Accused Instrumentalities; however, VR Optics reserves the right to identify additional claims and additional accused instrumentalities as further investigation or discovery may warrant. VR Optics further notes that this analysis is necessarily preliminary for reasons including that fact discovery is ongoing and not complete, Defendant has not produced all relevant core technical documents, and no claim construction order has been issued. Further, VR Optics expects to present expert testimony in support of its infringement contentions at a later time and date in accordance with the procedural schedule. Accordingly, VR Optics expressly reserves its right to supplement and/or amend its infringement contentions based upon further information obtained during the discovery process, claim construction, or from further analysis.

Claim		Accused Instrumentalities
1	A system for interactive fitness comprising:	<p>Peloton makes, uses, sells, or offers to sell systems for interactive fitness. The Accused Instrumentalities include a plurality of geographically-separated fitness equipment that is configured to communicate with a server via a wide area network, such as the Internet. The fitness equipment includes at least one operating component, such as a flywheel, belt, or motor. The system includes logic configured to obtain first performance parameters from the at least one operating component, logic configured to communicate the first performance parameters to a remote fitness equipment via the wide-area network and the server, and logic configured to receive second performance parameters communicated from at least one remote fitness equipment. The system also includes a communication interface through which data may be communicated to and from the fitness equipment. The system includes a display, such as a touchscreen display of a tablet, associated with the fitness equipment, and logic configured to drive the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed. The system includes a computer program executed by the server to configure the server for coordinating the communication among the plurality of fitness equipment, such that a plurality of the geographically-separated fitness equipment may simulate interactive exercise events.</p>

Claim		Accused Instrumentalities
1(a)	a server;	<p>The Accused Instrumentalities include a server. The server communicates live and on-demand classes to the fitness equipment of end users and/or customers.</p> <p style="text-align: center;">THE RIDES</p> <p>Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> <p>Complaint, Ex. B at 2.</p>

Claim		Accused Instrumentalities
1(b)	<p>a plurality of geographically-separated fitness equipment configured for communication with the server via a wide-area network, each of the fitness equipment comprising:</p>	<p>The Accused Instrumentalities include a plurality of geographically separated fitness equipment configured for communication with the server via a wide-area network. One Peloton bike (or cycle) may be in a customer's and/or end user's home, while another may be in a different customer's and/or end user's home. The Peloton bikes communicate with a Peloton server via a wide-area network, such as the Internet.</p> <p style="text-align: center;">EXPLORE OUR CLASSES</p> <p style="text-align: center;">Each ride helps you tap into the expertise of top instructors and the energy of group workouts, all from the comfort of your home.</p> <p>Complaint, Ex. B at 6.</p>

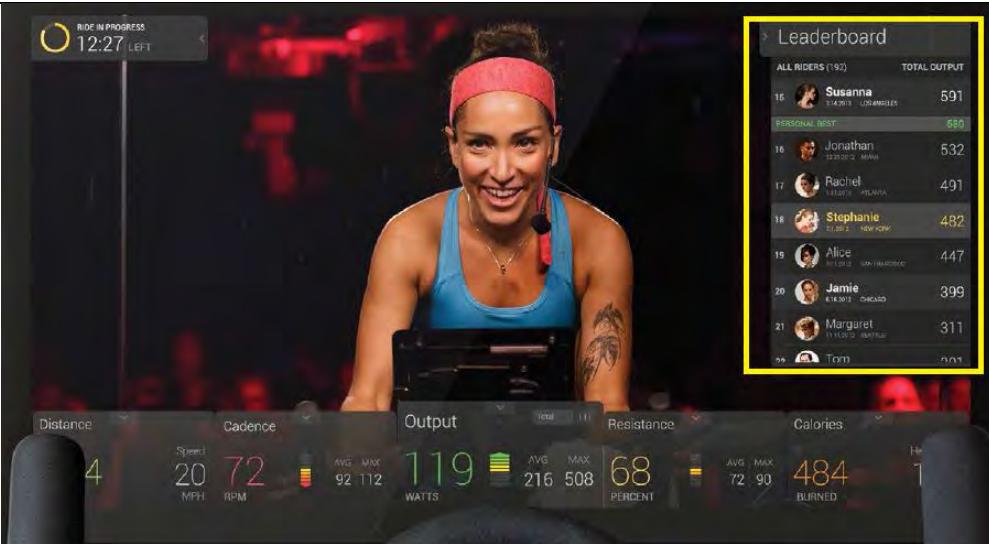
Claim		Accused Instrumentalities				
1(c)	at least one operating component;	<p>The Peloton bike (or cycle) includes at least one operating component, such as a flywheel, belt, or motor. For example, the Peloton bike includes at least a flywheel and a belt drive.</p> <p style="text-align: center;">MEET THE PELOTON BIKE</p> <p>Beautifully built for the smoothest ride. Top-of-the-line materials for easy maintenance. A perfect bike for the perfect workout.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <p>DESIGN A streamlined design made for showcasing anywhere in your home.</p> </td> <td style="width: 50%;"> <p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p> </td> </tr> <tr> <td> <p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p> </td> <td> <p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p> </td> </tr> </table> <p>Complaint, Ex. B at 4 (highlighting added).</p>	<p>DESIGN A streamlined design made for showcasing anywhere in your home.</p>	<p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p>	<p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p>	<p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p>
<p>DESIGN A streamlined design made for showcasing anywhere in your home.</p>	<p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p>					
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Complaint, Ex. B at 9 (highlighting added).

Claim		Accused Instrumentalities
1(d)	logic configured to obtain first performance parameters from the at least one operating component;	<p>The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component.</p> <p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p>

Claim		Accused Instrumentalities
1(e)	logic configured to communicate the first performance parameters to a remote fitness equipment via the wide-area network and the server;	<p>The Accused Instrumentalities include logic configured to communicate the first performance parameters to a remote fitness equipment via the wide area network and the server. The Accused Instrumentalities distribute performance parameters of a customer and/or end user to the fitness equipment of other customers and/or end users.</p> <p style="text-align: center;">THE RIDES</p> <p style="text-align: center;">Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> <p>Complaint, Ex. B at 2 (highlighting added).</p>



Complaint, Ex. B at 5 (highlighting added).

Claim		Accused Instrumentalities
1(f)	logic configured to receive second performance parameters communicated from at least one remote fitness equipment;	<p>The Accused Instrumentalities include logic configured to receive second performance parameters communicated from at least one remote fitness equipment. The Accused Instrumentalities receive performance parameters of other customers and/or end users.</p> <p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p>

Claim		Accused Instrumentalities								
1(g)	<p>a communication interface through which data may be communicated to and from the fitness equipment;</p>	<p>The Accused Instrumentalities include a communication interface through which data may be communicated to and from the fitness equipment. The Peloton bike (or cycle) and/or the tablet are able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, Bluetooth, ANT+, and ethernet.</p> <p style="text-align: center;">DISCOVER THE PELOTON RIDE</p> <p style="text-align: center;">Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px; width: 40%;">Connection</td> <td style="padding: 5px;">WiFi 802.11 a/b/g/n/ac</td> </tr> <tr> <td style="padding: 5px;"> </td> <td style="padding: 5px;">ANT+ wireless</td> </tr> <tr> <td style="padding: 5px;"> </td> <td style="padding: 5px;">Bluetooth 4.0</td> </tr> <tr> <td style="padding: 5px;"> </td> <td style="padding: 5px;">100 Mbps ethernet</td> </tr> </table> <p>“Technology,” https://www.onepeloton.com/bike.</p>	Connection	WiFi 802.11 a/b/g/n/ac		ANT+ wireless		Bluetooth 4.0		100 Mbps ethernet
Connection	WiFi 802.11 a/b/g/n/ac									
	ANT+ wireless									
	Bluetooth 4.0									
	100 Mbps ethernet									

Claim		Accused Instrumentalities
1(h)	a display associated with the fitness equipment; and	<p>The Peloton bike (or cycle) includes a display associated with the fitness equipment. The Peloton bike is associated with a tablet with a touchscreen display.</p>  <p>Complaint, Ex. B at 2 (highlighting added).</p>

DISCOVER THE PELOTON RIDE

Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.

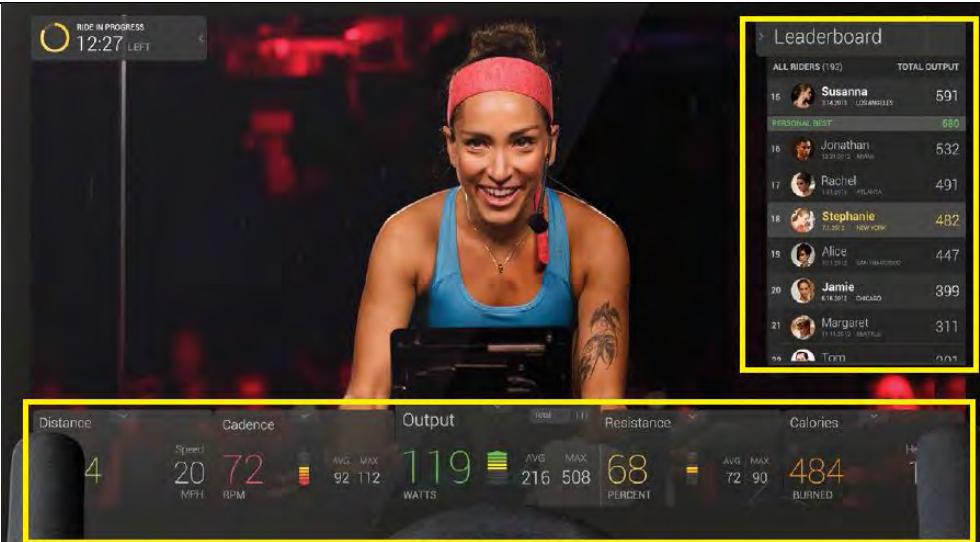
Id. at 5.

THE TOUCHSCREEN

The immersive HD touchscreen instantly connects you to the motivation you can only get from an instructor, and the energy you can only get from a group. Each ride offers in-depth personal metrics that feed into your unique rider profile.

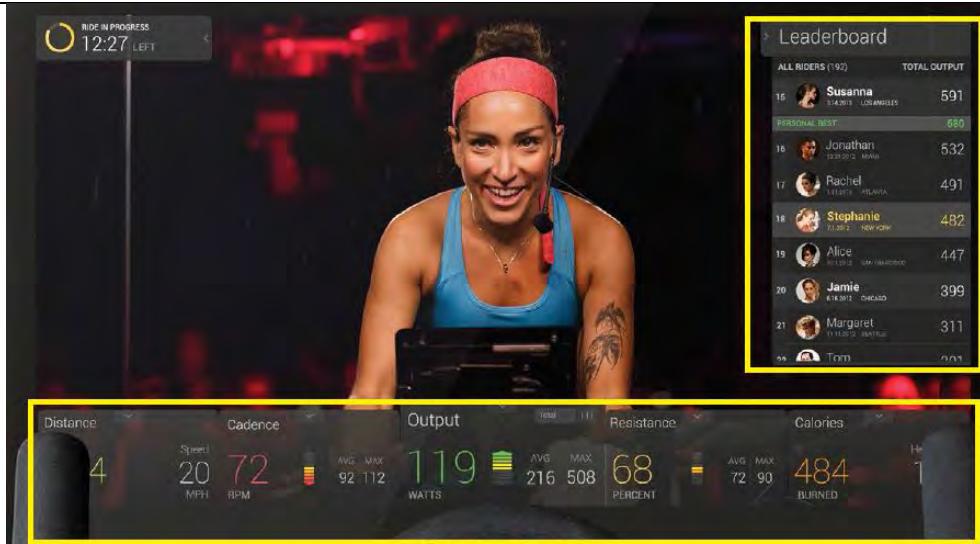
Id. at 2.

Claim		Accused Instrumentalities
1(i)	<p>logic configured to drive the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed; and</p>	<p>The Accused Instrumentalities include logic configured to drive the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed. The touchscreen display of the tablet Peloton bike (or cycle) is updated to reflect a customer and/or end user's performance parameters and the performance parameters of other customers and/or end users. The touchscreen display visually displays performance comparisons of the performance parameters of the customer and/or end user and the performance parameters of others, including, for example, through a "leaderboard."</p> <p>THE RIDES</p> <p>Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> <p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 2, 5 (highlighting added).</p>



Id. at 5 (highlighting added).

Claim		Accused Instrumentalities			
1(j)	<p>a computer program executed by the server to configure the server for coordinating the communication among the plurality of fitness equipment, such that a plurality of the geographically-separated fitness equipment may simulate interactive exercise events.</p>	<p>The Accused Instrumentalities include a computer program executed by the server to configure the server for coordinating the communication among the plurality of fitness equipment, such that a plurality of the geographically-separated fitness equipment may simulate interactive exercise events. The Peloton server executes a computer program to coordinate communication among the Peloton bikes (or cycles) to simulate interactive exercise events.</p> <p style="text-align: center;">EXPLORE OUR CLASSES</p> <p>Each ride helps you tap into the expertise of top instructors and the energy of group workouts, all from the comfort of your home.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; vertical-align: top; padding-right: 10px;"> <p>THE RIDES Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> </td> <td style="width: 33%; vertical-align: top; padding-right: 10px;"> <p>METRICS <i>Ride by the numbers</i> Measure the effectiveness of your ride using defined resistances and specific cadences.</p> <p>RHYTHM <i>Ride by the beat</i> You'll be guided through a full body workout to an inspiring soundtrack that will lift your spirit, transform your body, and clear your mind.</p> <p>LIVE DJ <i>Ride with the DJ</i> For this ride, coaches are joined by a Live DJ spinning creatively mixed and carefully curated playlists.</p> </td> <td style="width: 33%; vertical-align: top;"> <p>THEME <i>Keep things fun and festive</i> Show your appreciation for your favorite musical genre, decade, or holiday in our special theme rides.</p> <p>TEAM CANNONDALE-GARMIN <i>Practice with the pros</i> Train with the guys who actually ride the Tour de France. Expect heavy intervals and all-out effort to build your endurance.</p> <p>SCENIC RIDES <i>Take your ride outside</i> Get a change of pace and choose from beautiful outdoor trails all over the world. Where will your ride take you?</p> </td> </tr> </table> <p>Complaint, Ex. B at 2 (highlighting added), 6.</p>	<p>THE RIDES Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p>	<p>METRICS <i>Ride by the numbers</i> Measure the effectiveness of your ride using defined resistances and specific cadences.</p> <p>RHYTHM <i>Ride by the beat</i> You'll be guided through a full body workout to an inspiring soundtrack that will lift your spirit, transform your body, and clear your mind.</p> <p>LIVE DJ <i>Ride with the DJ</i> For this ride, coaches are joined by a Live DJ spinning creatively mixed and carefully curated playlists.</p>	<p>THEME <i>Keep things fun and festive</i> Show your appreciation for your favorite musical genre, decade, or holiday in our special theme rides.</p> <p>TEAM CANNONDALE-GARMIN <i>Practice with the pros</i> Train with the guys who actually ride the Tour de France. Expect heavy intervals and all-out effort to build your endurance.</p> <p>SCENIC RIDES <i>Take your ride outside</i> Get a change of pace and choose from beautiful outdoor trails all over the world. Where will your ride take you?</p>
<p>THE RIDES Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p>	<p>METRICS <i>Ride by the numbers</i> Measure the effectiveness of your ride using defined resistances and specific cadences.</p> <p>RHYTHM <i>Ride by the beat</i> You'll be guided through a full body workout to an inspiring soundtrack that will lift your spirit, transform your body, and clear your mind.</p> <p>LIVE DJ <i>Ride with the DJ</i> For this ride, coaches are joined by a Live DJ spinning creatively mixed and carefully curated playlists.</p>	<p>THEME <i>Keep things fun and festive</i> Show your appreciation for your favorite musical genre, decade, or holiday in our special theme rides.</p> <p>TEAM CANNONDALE-GARMIN <i>Practice with the pros</i> Train with the guys who actually ride the Tour de France. Expect heavy intervals and all-out effort to build your endurance.</p> <p>SCENIC RIDES <i>Take your ride outside</i> Get a change of pace and choose from beautiful outdoor trails all over the world. Where will your ride take you?</p>			



Id. at 5 (highlighting added).

Claim		Accused Instrumentalities
2	<p>The system as defined in claim 1, wherein the fitness equipment is one selected from the group consisting of a treadmill, a skiing machine, an exercise bike, a rowing machine, a stepping machine, and a orbital stepping machine.</p>	<p>The Accused Instrumentalities include the Peloton bike (or cycle).</p>  <p>Complaint, Ex. B at 2.</p>

Claim		Accused Instrumentalities
3	<p>The system as defined in claim 1, wherein the display is one selected from the group consisting of a virtual-reality display, an augmented-reality display, a cathode-ray tube, a liquid-crystal display, a light-emitting diode display, and a gas-plasma display.</p>	<p>The Accused Instrumentalities include an LCD touchscreen display of a tablet.</p>  <p>Complaint, Ex. B at 2 (highlighting added).</p>

Claim		Accused Instrumentalities
4 The system as defined in claim 1, wherein the at least one operating component is one selected from the group consisting of a motor, a flywheel, a conveyor, a wheel, and a magnetic arrangement.		<p>The Peloton bike (or cycle) includes at least a flywheel and a belt drive.</p> <h3 data-bbox="1056 372 1558 409">MEET THE PELOTON BIKE</h3> <p data-bbox="798 430 1755 512">Beautifully built for the smoothest ride. Top-of-the-line materials for easy maintenance. A perfect bike for the perfect workout.</p> <p data-bbox="798 605 903 633">DESIGN</p> <p data-bbox="798 649 1227 714">A streamlined design made for showcasing anywhere in your home.</p> <p data-bbox="798 807 1030 835">CONSTRUCTION</p> <p data-bbox="798 851 1252 985">The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p> <p data-bbox="1364 605 1681 633">ADJUSTABLE FEATURES</p> <p data-bbox="1364 649 1793 747">Customizable settings optimize effectiveness and maximize comfort for any rider.</p> <p data-bbox="1364 807 1712 835">NEAR-SILENT OPERATION</p> <p data-bbox="1364 851 1793 985">Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p> <p data-bbox="703 1041 1267 1068">Complaint, Ex. B at 4 (highlighting added).</p>



Complaint, Ex. B at 9 (highlighting added).

Claim		Accused Instrumentalities
5	<p>The system as defined in claim 1, where each fitness equipment further includes logic to download data defining course data for a selected course through the communication interface.</p>	<p>The Peloton bike (or cycle) includes logic to download data defining course data for a selected course through the communication interface.</p> <p>EXPLORE OUR CLASSES</p> <p>Each ride helps you tap into the expertise of top instructors and the energy of group workouts, all from the comfort of your home.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>METRICS</p> <p><i>Ride by the numbers</i> Measure the effectiveness of your ride using defined resistances and specific cadences.</p> </div> <div style="width: 45%;"> <p>THEME</p> <p><i>Keep things fun and festive</i> Show your appreciation for your favorite musical genre, decade, or holiday in our special theme rides.</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>RHYTHM</p> <p><i>Ride by the beat</i> You'll be guided through a full body workout to an inspiring soundtrack that will lift your spirit, transform your body, and clear your mind.</p> </div> <div style="width: 45%;"> <p>TEAM CANNONDALE-GARMIN</p> <p><i>Practice with the pros</i> Train with the guys who actually ride the Tour de France. Expect heavy intervals and all-out effort to build your endurance.</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>LIVE DJ</p> <p><i>Ride with the DJ</i> For this ride, coaches are joined by a Live DJ spinning creatively mixed and carefully curated playlists.</p> </div> <div style="width: 45%;"> <p>SCENIC RIDES</p> <p><i>Take your ride outside</i> Get a change of pace and choose from beautiful outdoor trails all over the world. Where will your ride take you?</p> </div> </div> <p>Complaint, Ex. B at 6.</p>

Claim		Accused Instrumentalities
6	An interactive fitness equipment comprising:	<p>Peloton makes, uses, sells, or offers to sell interactive fitness equipment. The Accused Instrumentalities include at least one operating component, such as a flywheel, belt, or motor, configured to provide an aspect of exercise for a user of the fitness equipment. The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component, logic configured to communicate the first performance parameters to a remote fitness equipment, logic configured to receive second performance parameters communicated from the remote fitness equipment. The Accused Instrumentalities also include a display associated with the fitness equipment, and logic configured to control the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed.</p>

Claim		Accused Instrumentalities				
6(a)	<p>at least one operating component configured to provide an aspect of exercise for a user of the fitness equipment;</p>	<p>The Peloton bike (or cycle) includes at least one operating component, such as a flywheel, belt, or motor. For example, the Peloton bike includes at least a flywheel and a belt drive.</p> <p style="text-align: center;">MEET THE PELOTON BIKE</p> <p>Beautifully built for the smoothest ride. Top-of-the-line materials for easy maintenance. A perfect bike for the perfect workout.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <p>DESIGN A streamlined design made for showcasing anywhere in your home.</p> </td> <td style="width: 50%;"> <p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p> </td> </tr> <tr> <td> <p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p> </td> <td> <p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p> </td> </tr> </table> <p>Complaint, Ex. B at 4 (highlighting added).</p>	<p>DESIGN A streamlined design made for showcasing anywhere in your home.</p>	<p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p>	<p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p>	<p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p>
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<p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p>	<p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p>					



Complaint, Ex. B at 9 (highlighting added).

Claim		Accused Instrumentalities
6(b)	logic configured to obtain first performance parameters from the at least one operating component;	<p>The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component.</p> <p style="text-align: center;">KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p>

Claim		Accused Instrumentalities
6(c)	logic configured to communicate the first performance parameters to a remote fitness equipment;	<p>The Accused Instrumentalities include logic configured to communicate the first performance parameters to a remote fitness equipment. The Accused Instrumentalities communicate performance parameters of a customer and/or end user to the fitness equipment of other customers and/or end users.</p> <p style="text-align: center;">THE RIDES</p> <p style="text-align: center;">Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> <p>Complaint, Ex. B at 2 (highlighting added).</p>

Claim		Accused Instrumentalities
6(d)	logic configured to receive second performance parameters communicated from the remote fitness equipment;	<p>The Accused Instrumentalities include logic configured to receive second performance parameters communicated from the remote fitness equipment. The Accused Instrumentalities receive performance parameters of other customers and/or end users.</p> <p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p>

Claim		Accused Instrumentalities
6(e)	a display associated with the fitness equipment; and	<p>The Peloton bike (or cycle) includes a display associated with the fitness equipment. The Peloton bike is associated with a tablet with a touchscreen display.</p>  <p>Complaint, Ex. B at 2 (highlighting added).</p>

DISCOVER THE PELOTON RIDE

Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.

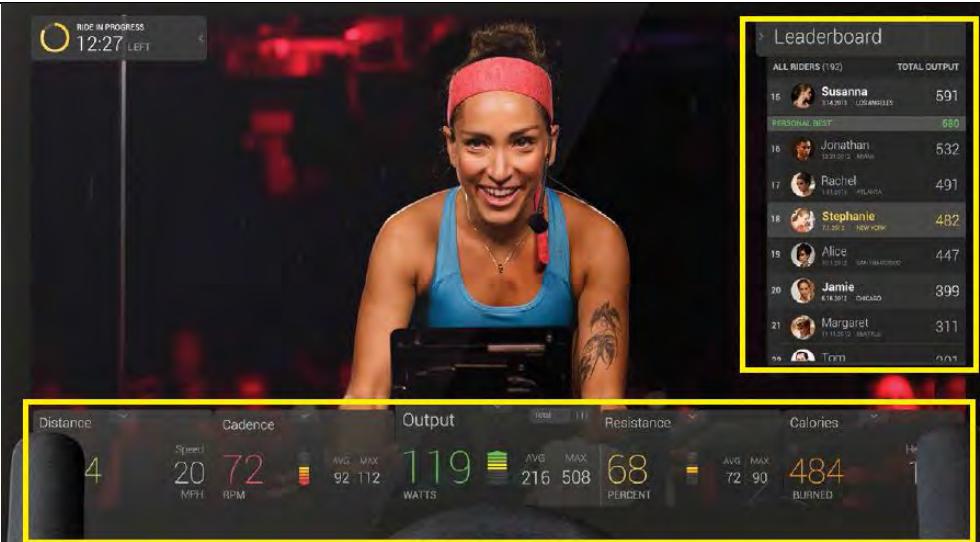
Id. at 5.

THE TOUCHSCREEN

The immersive HD touchscreen instantly connects you to the motivation you can only get from an instructor, and the energy you can only get from a group. Each ride offers in-depth personal metrics that feed into your unique rider profile.

Id. at 2.

Claim		Accused Instrumentalities
6(f)	<p>logic configured to control the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed.</p>	<p>The Accused Instrumentalities include logic configured to control the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed. The touchscreen display of the tablet Peloton bike (or cycle) is updated to reflect a customer and/or end user's performance parameters and the performance parameters of other customers and/or end users. The touchscreen display visually displays performance comparisons of the performance parameters of the customer and/or end user and the performance parameters of others, including, for example, through a "leaderboard."</p> <p>THE RIDES</p> <p>Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> <p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 2, 5 (highlighting added).</p>



Id. at 5 (highlighting added).

Claim		Accused Instrumentalities								
12	The interactive fitness equipment as defined in claim 6, further including a communication interface.	<p>The Accused Instrumentalities include a communication interface through which data may be communicated to and from the fitness equipment. The Peloton bike (or cycle) and/or the tablet are able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, Bluetooth, ANT+, and ethernet.</p> <p style="text-align: center;">DISCOVER THE PELOTON RIDE</p> <p style="text-align: center;">Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px; width: 40%;">Connection</td> <td style="padding: 5px;">WiFi 802.11 a/b/g/n/ac</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">ANT+ wireless</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">Bluetooth 4.0</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">100 Mbps ethernet</td> </tr> </table> <p>“Technology,” https://www.onepeloton.com/bike.</p>	Connection	WiFi 802.11 a/b/g/n/ac		ANT+ wireless		Bluetooth 4.0		100 Mbps ethernet
Connection	WiFi 802.11 a/b/g/n/ac									
	ANT+ wireless									
	Bluetooth 4.0									
	100 Mbps ethernet									

Claim		Accused Instrumentalities
13	<p>The interactive fitness equipment as defined in claim 12, wherein the communication interface includes logic configured to control communication with the remote fitness equipment over a communication link, wherein the communication link includes one selected from the group consisting of: a wireless link, a direct electrical connection, a local-area network, and a wide-area network.</p>	<p>The Accused Instrumentalities include logic configured to control communication with the remote fitness equipment over a communication link wherein the communication link includes one selected from the group consisting of: a wireless link, a direct electrical connection, a local-area network, and a wide-area network. The communication interface of a Peloton cycle (or bike) includes logic to control communication with a remote Peloton cycle (or bike) over a communication link, such as a link over a wide-area network, such as the Internet.</p> <p>DISCOVER THE PELOTON RIDE Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.</p> <p>KNOW YOUR METRICS Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>STAY CONNECTED See the live rides your friends signed up for or the on-demand ones they already took as you choose your next ride. Connect with friends by sharing your ride reservation and post-ride stats to Facebook or utilize the video chat feature during your ride.</p> <p>Complaint, Ex. B at 5.</p>

Claim		Accused Instrumentalities
15	The interactive fitness equipment as defined in claim 12, wherein the communication interface is configured to communicate with the remote fitness equipment through at least one intermediate computer.	The communication interface of the Peloton bike (or cycle) is configured to communicate with another Peloton bike (or cycle) through at least one intermediate computer, such as a Peloton computer or third-party computer. A third-party computer may be, for example, an internet service provider's (ISP's) computer.

Claim		Accused Instrumentalities
16	<p>The interactive fitness equipment as defined in claim 6, further including a microphone and logic for communicating an audible input to the microphone to a remote fitness equipment in the form of audio data.</p>	<p>The Accused Instrumentalities include a microphone and logic for communicating an audible input to the microphone to a remote fitness equipment in the form of audio data. A Peloton bike (or cycle) includes a microphone and can send audio data to another Peloton bike (or cycle). For example, audio data may be sent to another Peloton bike (or cycle) during a video chat session.</p> <p style="text-align: center;">STAY CONNECTED</p> <p style="text-align: center;">See the live rides your friends signed up for or the on-demand ones they already took as you choose your next ride. Connect with friends by sharing your ride reservation and post-ride stats to Facebook or utilize the video chat feature during your ride.</p> <p style="text-align: center;">www.peloton.com</p> <p>Complaint, Ex. B at 5.</p>

Claim		Accused Instrumentalities
17	<p>The interactive fitness equipment as defined in claim 6, further including a speaker and logic for audibly outputting audio data received from a remote fitness equipment.</p>	<p>The Accused Instrumentalities include speakers and logic for audibly outputting audio data received from a remote fitness equipment. The Peloton bike (or cycle) includes speakers and/or headphones, which audibly output audio data received from a remote fitness equipment. For example, audio data may be received from another Peloton bike (or cycle) and audibly output during a video chat session.</p> <p>STAY CONNECTED</p> <p>See the live rides your friends signed up for or the on-demand ones they already took as you choose your next ride. Connect with friends by sharing your ride reservation and post-ride stats to Facebook or utilize the video chat feature during your ride.</p> <p>Complaint, Ex. B at 5.</p>

Claim		Accused Instrumentalities
18	An interactive fitness equipment comprising:	<p>Peloton makes, uses, sells, or offers to sell interactive fitness equipment. The Accused Instrumentalities include at least one operating component, such as a flywheel, belt, or motor, configured to provide an aspect of exercise for a user of the fitness equipment. The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component, a memory for storing course data, and a display. The Accused Instrumentalities also include at least one element selected from the group consisting of:</p> <ul style="list-style-type: none"> (1) logic configured to control an aspect of the at least one operating component based on both the first performance parameters and information from stored course data; (2) logic configured to control the display in response to both the first performance parameters and information from stored course data; (3) logic configured to permit a user to select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory; (4) a communications interface and logic for controlling the download of course data through a communication interface; (5) speech processing logic configured to recognize certain spoken commands and adjust operating parameters of the fitness equipment in response thereto; (6) a communications interface and logic for controlling the download and installation of a software upgrade through a communication interface; and (7) a heart-rate sensor and logic configured to control the display to display a current position of a user in a course defined by the course data, the current position of the user being based upon the first performance parameters, further including logic configured to control the display to display a simulated competitive racer, wherein the position and speed of the competitive racer are based upon a combination of the first performance parameters, an output from the heart-rate sensor, and a target heart rate the user, whereby when the output from the heart-rate sensor exceeds the target heart rate, the speed of the simulated competitive racer is less than the speed measured from the first performance parameters and

	when the target heart rate exceeds the output from the heart-rate sensor, the speed of the simulated competitive racer is greater than the speed measured from the first performance parameters.
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Claim		Accused Instrumentalities				
18(a)	<p>at least one operating component configured to provide an aspect of exercise for a user of the fitness equipment;</p>	<p>The Peloton bike (or cycle) includes at least one operating component, such as a flywheel, belt, or motor, configured to provide an aspect of exercise for a user of the fitness equipment. For example, the Peloton bike includes at least a flywheel and a belt drive.</p> <p style="text-align: center;">MEET THE PELOTON BIKE</p> <p>Beautifully built for the smoothest ride. Top-of-the-line materials for easy maintenance. A perfect bike for the perfect workout.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <p>DESIGN A streamlined design made for showcasing anywhere in your home.</p> </td> <td style="width: 50%;"> <p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p> </td> </tr> <tr> <td> <p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p> </td> <td> <p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p> </td> </tr> </table> <p>Complaint, Ex. B at 4 (highlighting added).</p>	<p>DESIGN A streamlined design made for showcasing anywhere in your home.</p>	<p>ADJUSTABLE FEATURES Customizable settings optimize effectiveness and maximize comfort for any rider.</p>	<p>CONSTRUCTION The carbon steel frame makes the bike sturdy while the magnetic resistance makes your ride smooth and means there are no brake pads to care for.</p>	<p>NEAR-SILENT OPERATION Unlike the chain on most stationary bikes, the near-silent belt drive lets you work out any time of day, in any room, without disturbing anyone.</p>
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Complaint, Ex. B at 9 (highlighting added).

Claim		Accused Instrumentalities
18(b)	logic configured to obtain first performance parameters from the at least one operating component;	<p>The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component.</p> <p style="text-align: center;">KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p>

Claim		Accused Instrumentalities
18(b)	a memory for storing course data;	<p>The Accused Instrumentalities include a memory for storing course data. The Peloton bike (or cycle) is associated with a tablet with a memory.</p>  <p>Complaint, Ex. B at 2 (highlighting added).</p>

DISCOVER THE PELOTON RIDE

Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.

Id. at 5.

THE TOUCHSCREEN

The immersive HD touchscreen instantly connects you to the motivation you can only get from an instructor, and the energy you can only get from a group. Each ride offers in-depth personal metrics that feed into your unique rider profile.

Id. at 2.

Claim		Accused Instrumentalities
18(c)	a display; and	<p>The Accused Instrumentalities include a display. The Peloton bike (or cycle) includes a display associated with the fitness equipment. The Peloton bike is associated with a tablet with a touchscreen display.</p>  <p>Complaint, Ex. B at 2 (highlighting added).</p>

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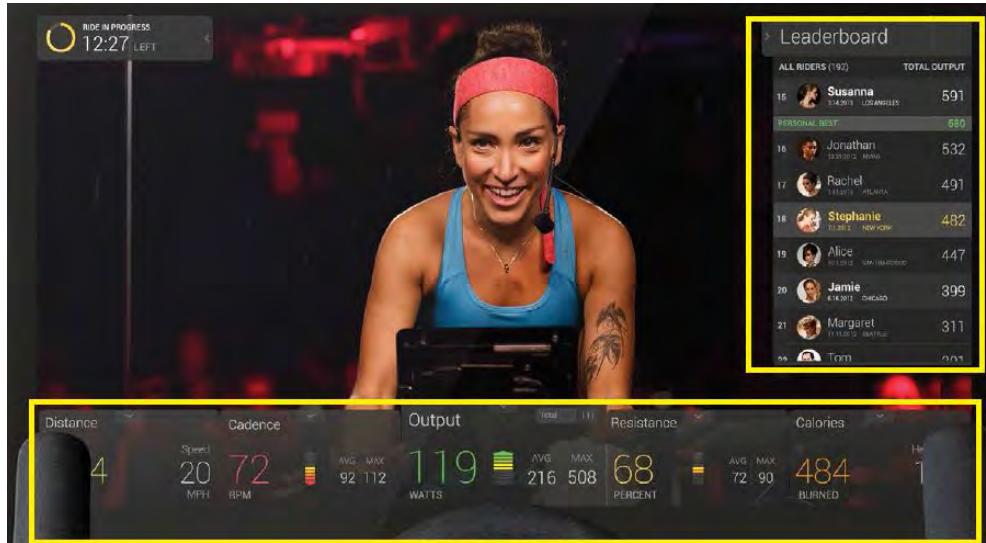
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Id. at 2.

Claim		Accused Instrumentalities
18(d)	<p>at least one element selected from the group consisting of:</p> <ul style="list-style-type: none"> (1) logic configured to control an aspect of the at least one operating component based on both the first performance parameters and information from stored course data; (2) logic configured to control the display in response to both the first performance parameters and information from stored course data; (3) logic configured to permit a user to select at least one competitive racer, the at least one competitive racer 	<p>The Accused Instrumentalities include at least:</p> <p><u>Logic configured to control the display in response to both first performance parameters and information from stored course data</u></p> <p>The Accused Instrumentalities include logic configured to control the display in response to both the first and second performance parameters and information stored from course data. The touchscreen display of the tablet Peloton bike (or cycle) is updated to reflect a customer and/or end user's performance parameters and the performance parameters of other customers and/or end users. The touchscreen display visually displays performance comparisons of the performance parameters of the customer and/or end user and the performance parameters of others, including, for example, through a "leaderboard."</p> <p>THE RIDES</p> <p>Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p> <p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p> <p>Complaint, Ex. B at 2, 5 (highlighting added).</p>

- being defined by data stored in a memory;
- (4) a communications interface and logic for controlling the download of course data through a communication interface;
- (5) speech processing logic configured to recognize certain spoken commands and adjust operating parameters of the fitness equipment in response thereto;
- (6) a communications interface and logic for controlling the download and installation of a software upgrade through a communication interface; and



Id. at 5 (highlighting added).

Logic configured to permit a user to select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory

The Accused Instrumentalities include logic configured to permit a user to select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory. The touchscreen display of the Peloton bike (or cycle) allows a customer and/or end user to select others to compete with.

<p>(7) a heart-rate sensor and logic configured to control the display to display a current position of a user in a course defined by the course data, the current position of the user being based upon the first performance parameters, further including logic configured to control the display to display a simulated competitive racer, wherein the position and speed of the competitive racer are based upon a combination of the first performance parameters, an output from the heart-rate sensor, and a target heart rate the user, whereby when the output from the heart-</p>	<p>THE RIDES</p> <p>Choose from a variety of daily live rides, or from hundreds of on-demand rides whenever you like. Coached by the industry's top instructors, our rides track your progress, allow you to compete with others, and keep you motivated.</p>	<p>KNOW YOUR METRICS</p> <p>Each ride features in-depth personal metrics that measure every aspect of your ride, including heart rate. The real-time leaderboard engages you by showing the metrics of fellow riders, while your rider profile captures your robust ride data to show your progress over time.</p>
	<p><i>Id. at 2, 5 (highlighting added).</i></p> <p><u>A communications interface and logic for controlling the download of course data through a communication interface</u></p> <p>The Accused Instrumentalities include a communications interface through which course data may be downloaded to the fitness equipment. The Peloton bike (or cycle) and/or the tablet are able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, Bluetooth, ANT+, and ethernet.</p>	<p>DISCOVER THE PELOTON RIDE</p> <p>Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.</p>

<p>rate sensor exceeds the target heart rate, the speed of the simulated competitive racer is less than the speed measured from the first performance parameters and when the target heart rate exceeds the output from the heart-rate sensor, the speed of the simulated competitive racer is greater than the speed measured from the first performance parameters.</p>	<p>Complaint, Ex. B at 5 (highlighting added).</p> <table border="1" data-bbox="819 246 1790 518"> <thead> <tr> <th data-bbox="840 274 1262 306">Connection</th><th data-bbox="1368 274 1600 306">WiFi 802.11 a/b/g/n/ac</th></tr> </thead> <tbody> <tr> <td></td><td data-bbox="1368 339 1600 372">ANT+ wireless</td></tr> <tr> <td></td><td data-bbox="1368 404 1579 437">Bluetooth 4.0</td></tr> <tr> <td></td><td data-bbox="1368 470 1664 502">100 Mbps ethernet</td></tr> </tbody> </table> <p>“Technology,” https://www.onepeloton.com/bike.</p> <p><u>A communications interface and logic for controlling the download and installation of a software upgrade through a communication interface</u></p> <p>The Accused Instrumentalities include a communications interface and logic for controlling the download and installation of a software upgrade through a communication interface. The Peloton bike (or cycle) and/or the associated tablet are able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, Bluetooth, ANT+, and ethernet.</p> <p style="text-align: center;">DISCOVER THE PELOTON RIDE</p> <p style="text-align: center;">Our sweat-resistant 21.5" HD touchscreen, featuring WiFi and Bluetooth connectivity, puts you in the middle of the action.</p> <p>Complaint, Ex. B at 5 (highlighting added).</p>	Connection	WiFi 802.11 a/b/g/n/ac		ANT+ wireless		Bluetooth 4.0		100 Mbps ethernet
Connection	WiFi 802.11 a/b/g/n/ac								
	ANT+ wireless								
	Bluetooth 4.0								
	100 Mbps ethernet								

		Connection	WiFi 802.11 a/b/g/n/ac ANT+ wireless Bluetooth 4.0 100 Mbps ethernet
“Technology,” https://www.onepeloton.com/bike . The communications interface controls the download and installation of software upgrades from at least Peloton.			

Claim		Accused Instrumentalities
19	<p>The interactive fitness equipment as defined in claim 18, having at least three elements selected from the group consisting of:</p> <ul style="list-style-type: none"> (1) logic configured to control an aspect of the at least one operating component based on both the first performance parameters and information from stored course data; (2) logic configured to control the display in response to both the first performance parameters and information from stored course data; (3) logic configured to permit a user to 	<p><i>See claim 18(d).</i></p>

	<p>select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory;</p> <p>(4) a communications interface and logic for controlling the download of course data through a communication interface;</p> <p>(5) speech processing logic configured to recognize certain spoken commands and adjust operating parameters of the fitness equipment in response thereto;</p> <p>(6) a communications interface and logic for controlling the download and installation of a software upgrade</p>
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	<p>through a communication interface; and</p> <p>(7) a heart-rate sensor and logic configured to control the display to display a current position of a user in a course defined by the course data, the current position of the user being based upon the first performance parameters, further including logic configured to control the display to display a simulated competitive racer, wherein the position and speed of the competitive racer are based upon a combination of the first performance parameters, an output from the heart-rate</p>
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	<p>sensor, and a target heart rate the user, whereby when the output from the heart-rate sensor exceeds the target heart rate, the speed of the simulated competitive racer is less than the speed measured from the first performance parameters and when the target heart rate exceeds the output from the heart-rate sensor, the speed of the simulated competitive racer is greater than the speed measured from the first performance parameters.</p>
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EXHIBIT B

Plaintiff VR Optics, LLC (“VRO”) provides the following supplemental infringement contentions with respect to infringement by Defendant Peloton Interactive, Inc. (“Peloton” or “Defendant”) of U.S. Patent No. 6,902,513 (“the ‘513 Patent”) in connection with the Accused Instrumentalities.

This chart demonstrates infringement with respect to certain claims and certain Accused Instrumentalities; however, VRO reserves the right to identify additional claims and additional accused instrumentalities as further investigation or discovery may warrant. VRO further notes that this analysis is necessarily preliminary for reasons including that the Peloton Tread was publicly announced in January 2018¹ and is currently available for reservation,² fact discovery is ongoing and not complete, Defendant has not produced all relevant core technical documents (including no documents related to the Peloton Tread), and no claim construction order has been issued. Further, VRO expects to present expert testimony in support of its infringement contentions at a later time and date in accordance with the procedural schedule. Accordingly, VRO expressly reserves its right to supplement and/or amend its infringement contentions based upon further information obtained during the discovery process, claim construction, or from further analysis.

¹ See Peloton Tread | Introducing The Latest In Total Body Fitness, YouTube (Jan. 9, 2018), <https://www.youtube.com/watch?v=pxk88-K9mGQ>.

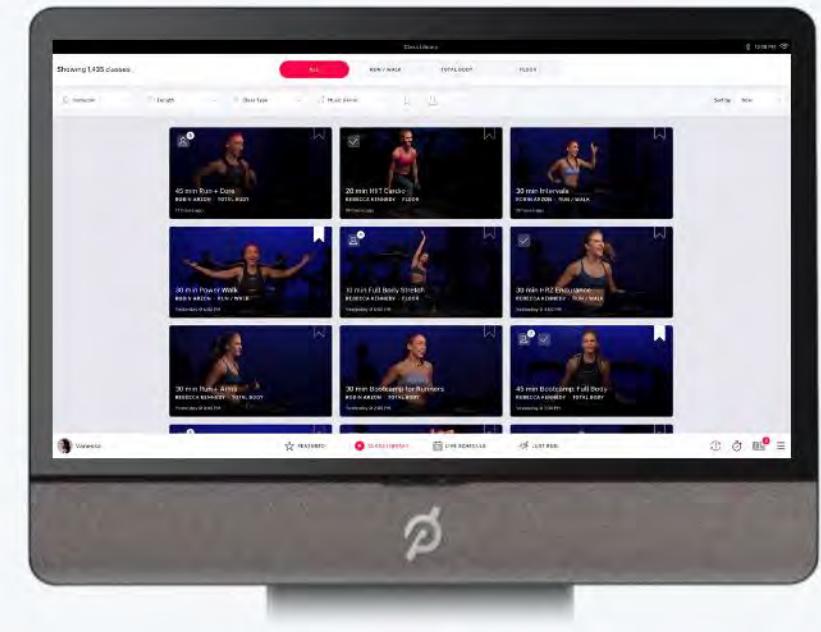
² See Peloton Tread Reservation Terms (“We expect the Peloton Tread will be available for purchase and delivery beginning in Fall 2018.”), <https://support.onepeloton.com/hc/en-us/articles/115005750723> (last visited Sept. 24, 2018).

Claim		Accused Instrumentalities
1	A system for interactive fitness comprising:	<p>Peloton makes, uses, sells, or offers to sell systems for interactive fitness. The Accused Instrumentalities include a plurality of geographically-separated fitness equipment (Peloton Treads) that are configured to communicate with a server via a wide area network, such as the Internet. The fitness equipment includes at least one operating component, such as a flywheel, belt, or motor. The system includes logic configured to obtain first performance parameters from the at least one operating component, logic configured to communicate the first performance parameters to a remote fitness equipment via the wide-area network and the server, and logic configured to receive second performance parameters communicated from at least one remote fitness equipment. The system also includes a communication interface through which data may be communicated to and from the fitness equipment. The system includes a display, such as a touchscreen display of a tablet, associated with the fitness equipment, and logic configured to drive the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed. The system includes a computer program executed by the server to configure the server for coordinating the communication among the plurality of fitness equipment, such that a plurality of the geographically-separated fitness equipment may simulate interactive exercise events.</p>

Claim		Accused Instrumentalities																		
1(a)	a server;	<p>The Accused Instrumentalities include a server. The server communicates live and on-demand classes to the fitness equipment of end users and/or customers.</p>  <p>EMPOWERING STUDIO ATMOSPHERE</p> <p>Stream a diverse lineup of 10+ daily live classes on a captivating 32" HD touchscreen. Let the energy of the NYC studio power you as you train live with the Peloton community.</p> <table border="1"> <thead> <tr> <th>User</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>Kathy</td><td>374</td></tr> <tr><td>Giovanni</td><td>364</td></tr> <tr><td>Jessica</td><td>358</td></tr> <tr><td>All Participants (10)</td><td>354</td></tr> <tr><td>Vincent</td><td>354</td></tr> <tr><td>Sophia</td><td>353</td></tr> <tr><td>Jackson</td><td>346</td></tr> <tr><td>Samantha</td><td>332</td></tr> </tbody> </table>	User	Score	Kathy	374	Giovanni	364	Jessica	358	All Participants (10)	354	Vincent	354	Sophia	353	Jackson	346	Samantha	332
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"The Peloton Tread," <https://www.onepeloton.com/tread>.

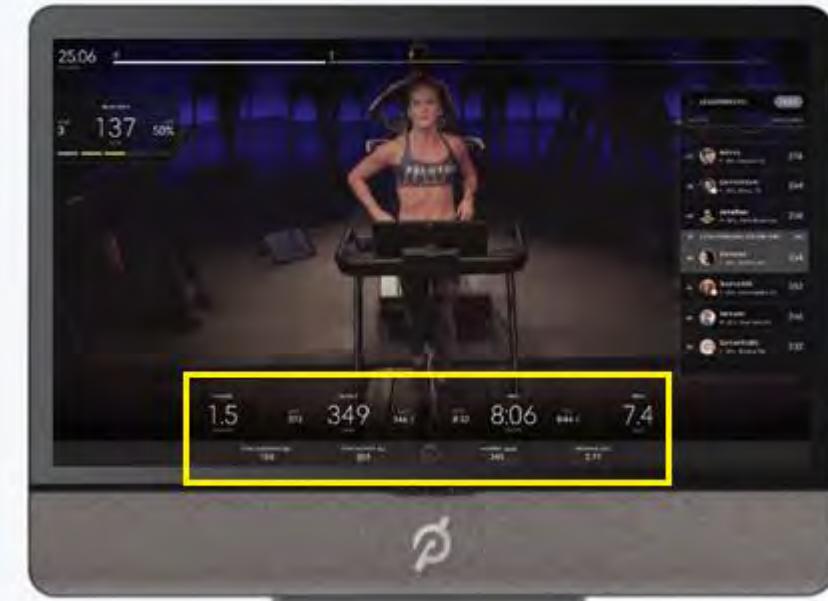
Claim		Accused Instrumentalities
1(b)	a plurality of geographically-separated fitness equipment configured for communication with the server via a wide-area network, each of the fitness equipment comprising:	<p>The Accused Instrumentalities include a plurality of geographically separated fitness equipment configured for communication with the server via a wide-area network. One Peloton Tread may be in a customer's and/or end user's home, while another may be in a different customer's and/or end user's home. The Peloton Treads communicate with a Peloton server via a wide-area network, such as the Internet.</p>  <p>“The Peloton Tread,” https://www.onepeloton.com/tread.</p>

Claim		Accused Instrumentalities
1(c)	at least one operating component;	<p>The Peloton Tread includes at least one operating component, such as a belt or motor. For example, the Peloton Tread includes at least a drive belt.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

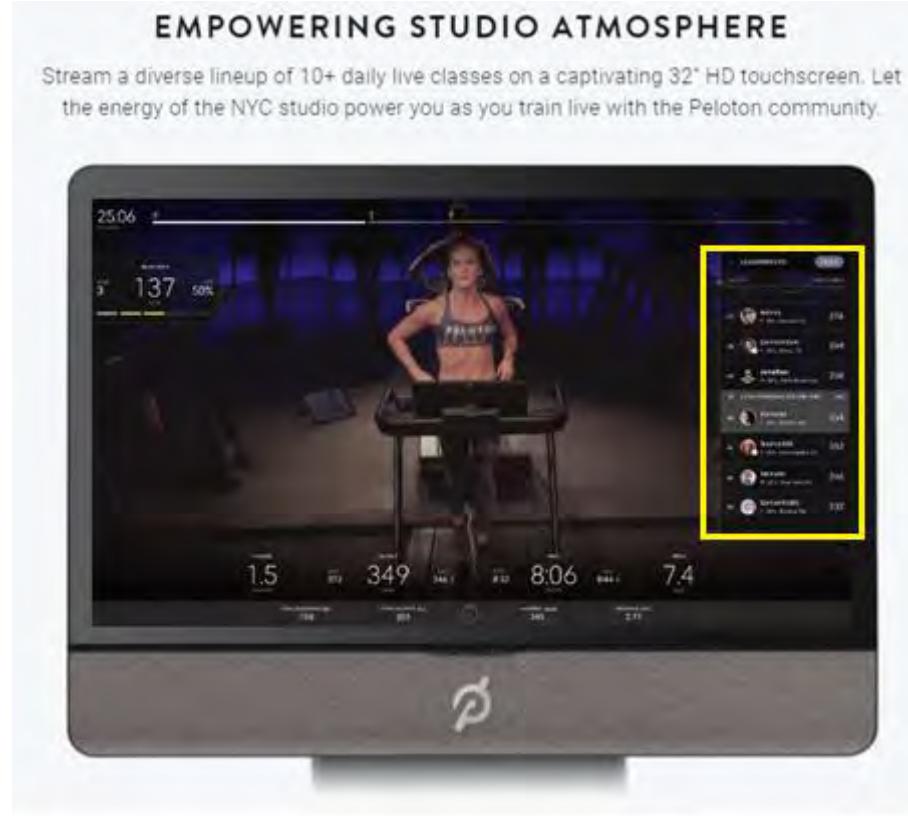
Claim		Accused Instrumentalities
1(d) logic configured to obtain first performance parameters from the at least one operating component;		<p>The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component.</p>  <p>“The Peloton Tread,” https://www.onepeloton.com/tread.</p>

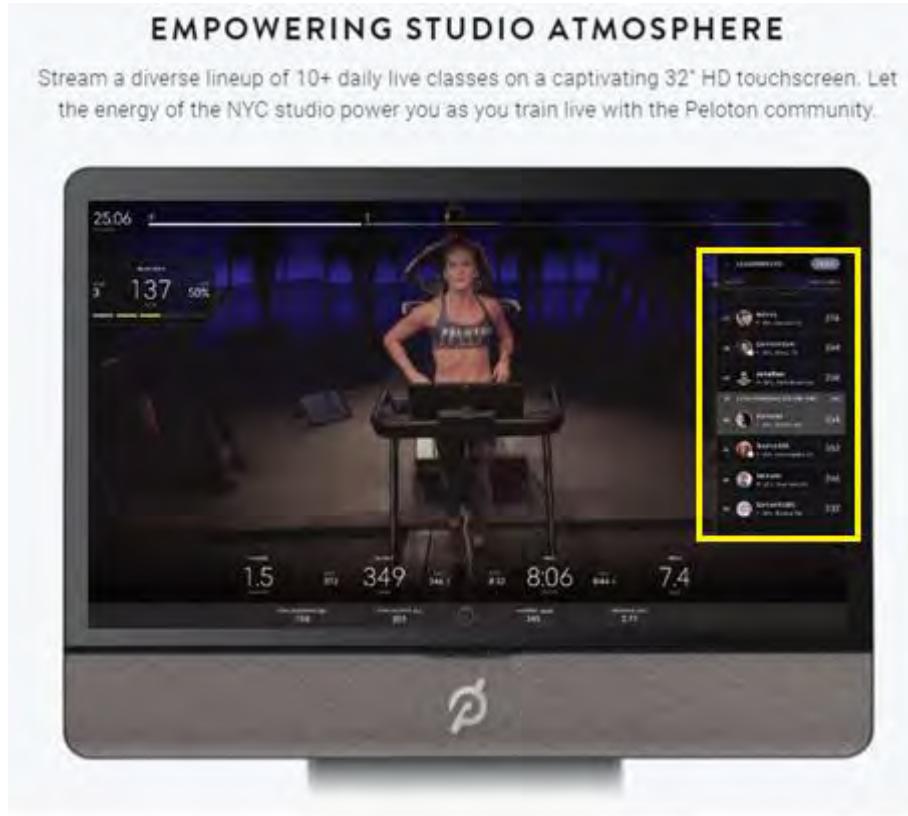
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The Peloton Tread™ (highlighting added), <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities
1(e)	logic configured to communicate the first performance parameters to a remote fitness equipment via the wide-area network and the server;	<p>The Accused Instrumentalities include logic configured to communicate the first performance parameters to a remote fitness equipment via the wide area network and the server. The Accused Instrumentalities distribute performance parameters of a customer and/or end user to the fitness equipment of other customers and/or end users.</p>  <p>“The Peloton Tread” (highlighting added), https://www.onepeloton.com/tread.</p>

Claim		Accused Instrumentalities
1(f)	logic configured to receive second performance parameters communicated from at least one remote fitness equipment;	<p>The Accused Instrumentalities include logic configured to receive second performance parameters communicated from at least one remote fitness equipment. The Accused Instrumentalities receive performance parameters of other customers and/or end users.</p>  <p>“The Peloton Tread” (highlighting added), https://www.onepeloton.com/tread.</p>

Claim		Accused Instrumentalities								
1(g)	a communication interface through which data may be communicated to and from the fitness equipment;	<p>The Accused Instrumentalities include a communication interface through which data may be communicated to and from the fitness equipment. The Peloton Tread and/or the tablet are able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, ANT+, Bluetooth, and ethernet.</p> <table> <tr> <td data-bbox="741 491 931 523">Connection</td> <td data-bbox="1121 491 1839 523">WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna</td> </tr> <tr> <td></td> <td data-bbox="1121 556 1227 589">ANT+</td> </tr> <tr> <td></td> <td data-bbox="1121 621 1290 654">Bluetooth</td> </tr> <tr> <td></td> <td data-bbox="1121 687 1438 719">100 Mbps Ethernet</td> </tr> </table> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p>	Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna		ANT+		Bluetooth		100 Mbps Ethernet
Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna									
	ANT+									
	Bluetooth									
	100 Mbps Ethernet									

Claim		Accused Instrumentalities
1(h)	a display associated with the fitness equipment; and	<p>The Peloton Tread includes a display associated with the fitness equipment. The Peloton Tread includes a tablet with a touchscreen display.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

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Surround yourself in the fitness studio experience with a large 32" touchscreen display and powerful soundbar for the most immersive home workout experience.



“The Peloton Tread,” <https://www.onepeloton.com/tread>.

Technology

Screen

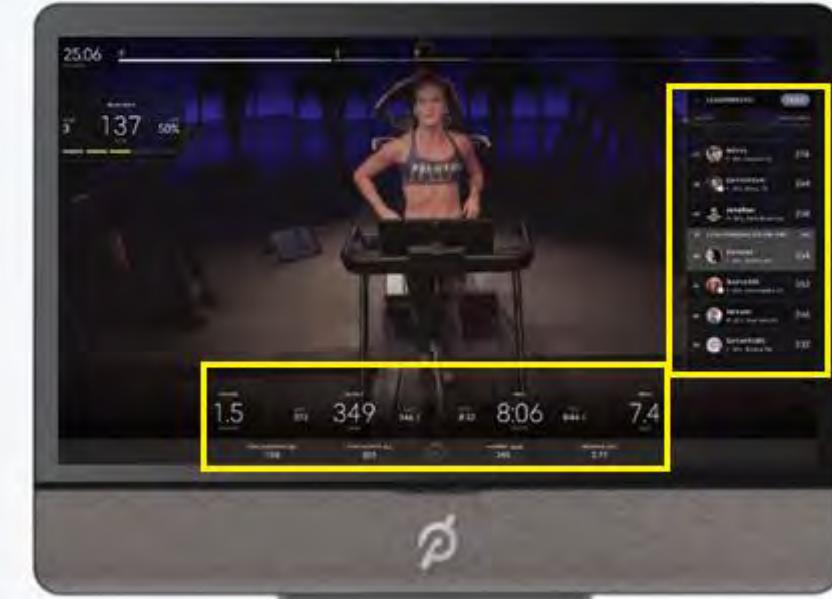
32" 1080p HD touchscreen

“Technology,” <https://www.onepeloton.com/tread/preorder>.

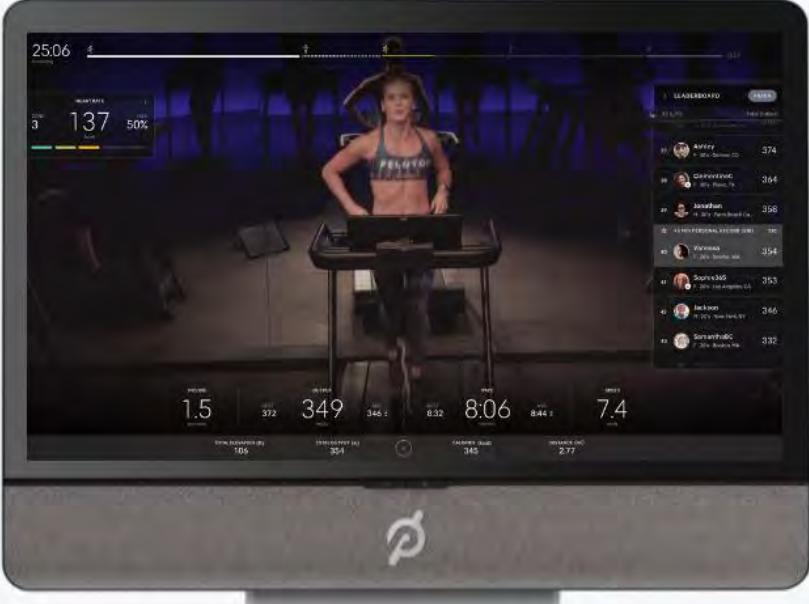
Claim		Accused Instrumentalities
1(i)	logic configured to drive the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed; and	The Accused Instrumentalities include logic configured to drive the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed. The touchscreen display of the tablet of the Peloton Tread is updated to reflect a customer and/or end user's performance parameters and the performance parameters of other customers and/or end users. The touchscreen display visually displays performance comparisons of the performance parameters of the customer and/or end user and the performance parameters of others, including, for example, through a "leaderboard."

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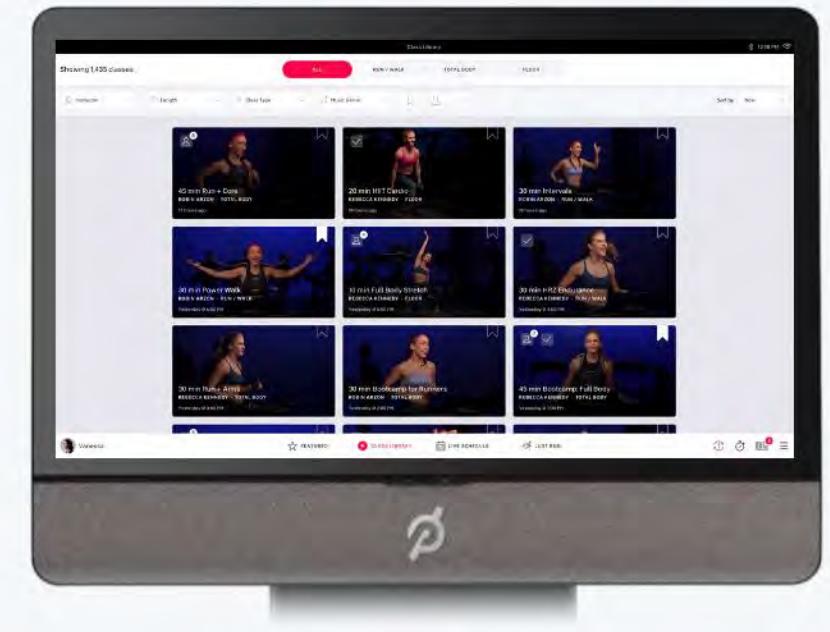


“The Peloton Tread” (highlighting added), <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities
1(j)	<p>a computer program executed by the server to configure the server for coordinating the communication among the plurality of fitness equipment, such that a plurality of the geographically-separated fitness equipment may simulate interactive exercise events.</p>	<p>The Accused Instrumentalities include a computer program executed by the server to configure the server for coordinating the communication among the plurality of fitness equipment, such that a plurality of the geographically-separated fitness equipment may simulate interactive exercise events. The Peloton server executes a computer program to coordinate communication among the Peloton Treads to simulate interactive exercise events.</p> <div data-bbox="840 551 1769 1367"> <p style="text-align: center;">EMPOWERING STUDIO ATMOSPHERE</p> <p style="text-align: center;">Stream a diverse lineup of 10+ daily live classes on a captivating 32" HD touchscreen. Let the energy of the NYC studio power you as you train live with the Peloton community.</p>  <p>The image shows a Peloton Studio's 32" HD touchscreen displaying a live cycling class. On the screen, a female instructor is visible on a stationary bike. The interface includes a top bar showing '25:06' and a progress bar. Below the instructor, there are performance metrics: '1.5', '372', '349', '346', '0.92', '8:06', '8:44', and '7.4'. To the right, a 'LEADERBOARD' section displays a list of users with their names, profile pictures, and scores: AMY (374), GRAYSON (364), Jonathan (358), ANDREW (356), Vanessa (354), Scott (353), Jackson (346), and Sonam (332). The Peloton logo is visible at the bottom of the screen.</p> </div>

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"The Peloton Tread," <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities
2	<p>The system as defined in claim 1, wherein the fitness equipment is one selected from the group consisting of a treadmill, a skiing machine, an exercise bike, a rowing machine, a stepping machine, and a orbital stepping machine.</p>	<p>The Accused Instrumentalities include the Peloton Tread—a treadmill.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

Claim		Accused Instrumentalities
3	<p>The system as defined in claim 1, wherein the display is one selected from the group consisting of a virtual-reality display, an augmented-reality display, a cathode-ray tube, a liquid-crystal display, a light-emitting diode display, and a gas-plasma display.</p>	<p>The Peloton Tread includes an LCD touchscreen display of a tablet.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

Claim		Accused Instrumentalities
4	<p>The system as defined in claim 1, wherein the at least one operating component is one selected from the group consisting of a motor, a flywheel, a conveyor, a wheel, and a magnetic arrangement.</p>	<p>The Peloton Tread includes at least a motor and a belt.</p>  <p>"Peloton Tread" (highlighting added), https://www.onepeloton.com/tread/preorder (select the "Gallery" link).</p>

Claim		Accused Instrumentalities
5	<p>The system as defined in claim 1, where each fitness equipment further includes logic to download data defining course data for a selected course through the communication interface.</p>	<p>The Peloton Tread includes logic to download data defining course data for a selected course through the communication interface.</p>  <p>“Peloton Tread,” https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

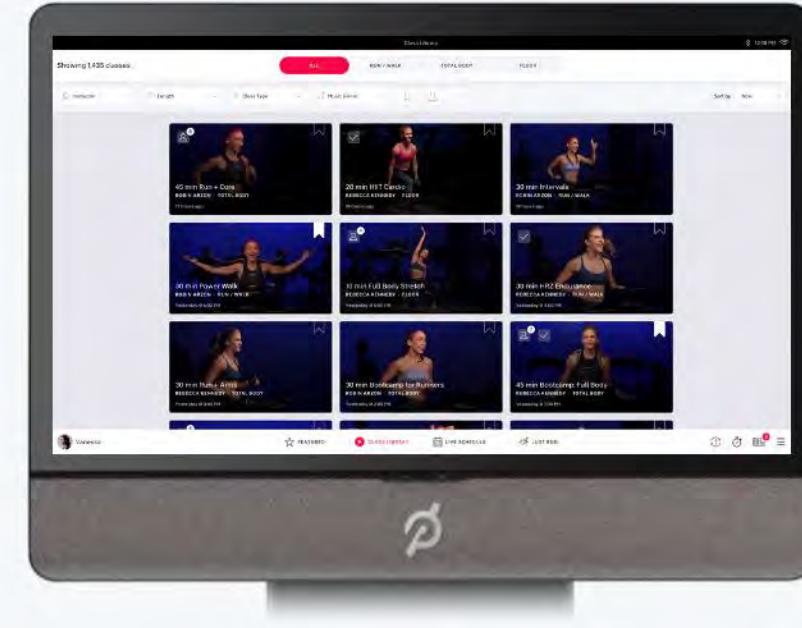
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“The Peloton Tread,” <https://www.onepeloton.com/tread>.

Connection

WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna

ANT+

Bluetooth

100 Mbps Ethernet

“Technology,” <https://www.onepeloton.com/tread/preorder>.

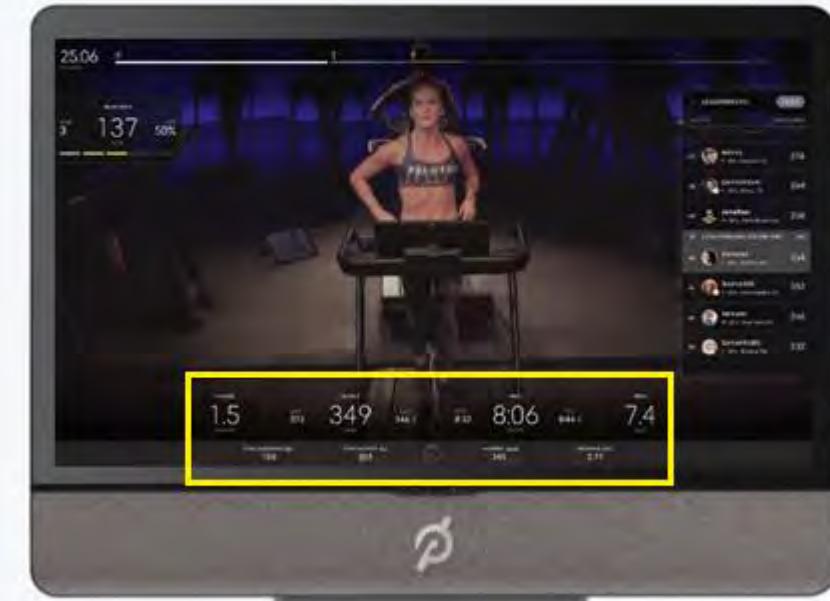
Claim		Accused Instrumentalities
6	An interactive fitness equipment comprising:	Peloton makes, uses, sells, or offers to sell interactive fitness equipment such as the Peloton Tread. The Accused Instrumentalities include at least one operating component, such as a flywheel, belt, or motor, configured to provide an aspect of exercise for a user of the fitness equipment. The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component, logic configured to communicate the first performance parameters to a remote fitness equipment, logic configured to receive second performance parameters communicated from the remote fitness equipment. The Accused Instrumentalities also include a display associated with the fitness equipment, and logic configured to control the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed.

Claim		Accused Instrumentalities
6(a)	<p>at least one operating component configured to provide an aspect of exercise for a user of the fitness equipment;</p>	<p>The Peloton Tread includes at least one operating component, such as a belt or motor. For example, the Peloton Tread includes at least a belt.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

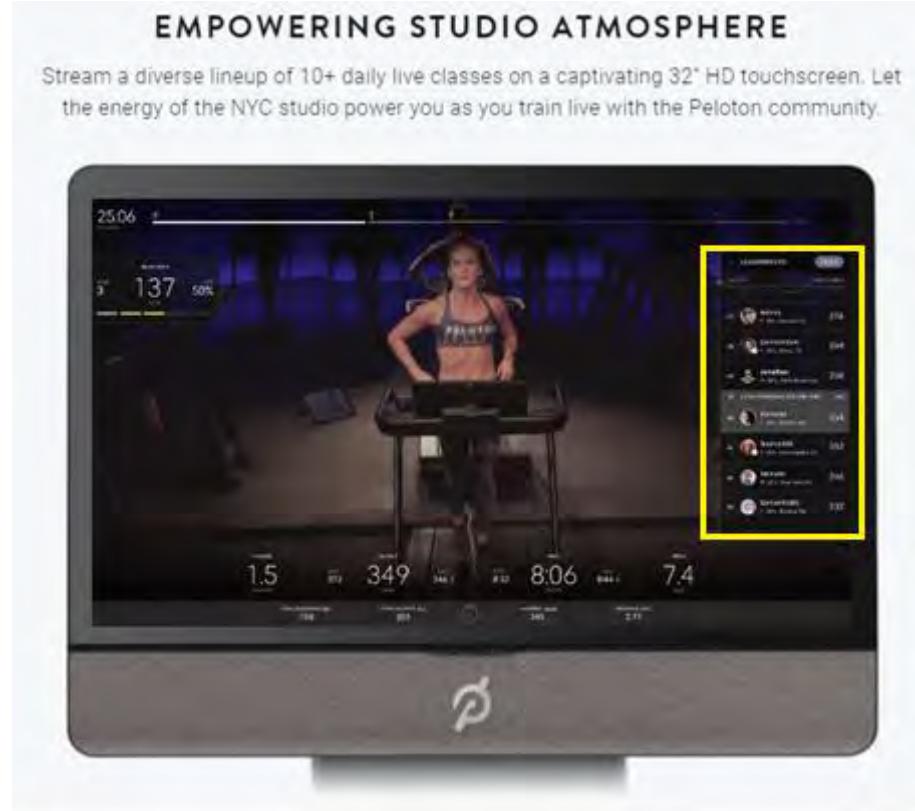
Claim		Accused Instrumentalities
6(b)	logic configured to obtain first performance parameters from the at least one operating component;	<p>The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component.</p> <p style="text-align: center;">MOTIVATING METRICS</p> <p>Track your progress with in-depth, real-time workout metrics, including heart rate and elevation, plus an in-class leaderboard to help you dig deeper.</p>  <p>“The Peloton Tread,” https://www.onepeloton.com/tread.</p>

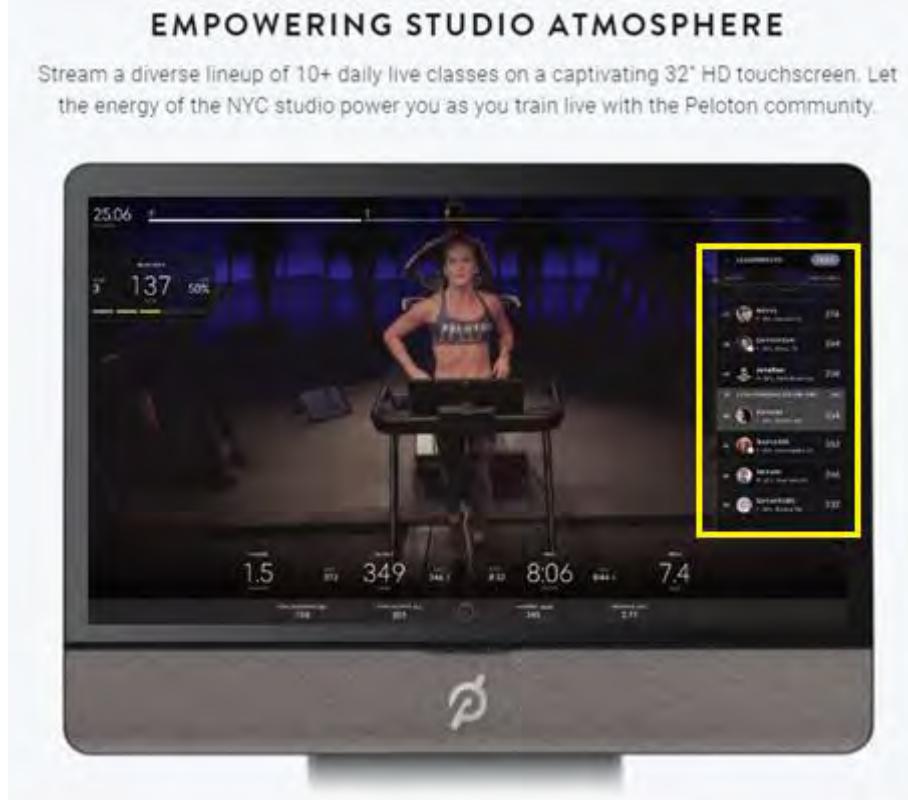
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The Peloton Tread™ (highlighting added), <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities
6(c)	logic configured to communicate the first performance parameters to a remote fitness equipment;	<p>The Accused Instrumentalities include logic configured to communicate the first performance parameters to a remote fitness equipment. The Accused Instrumentalities communicate performance parameters of a customer and/or end user to the fitness equipment of other customers and/or end users.</p>  <p>“The Peloton Tread” (highlighting added), https://www.onepeloton.com/tread.</p>

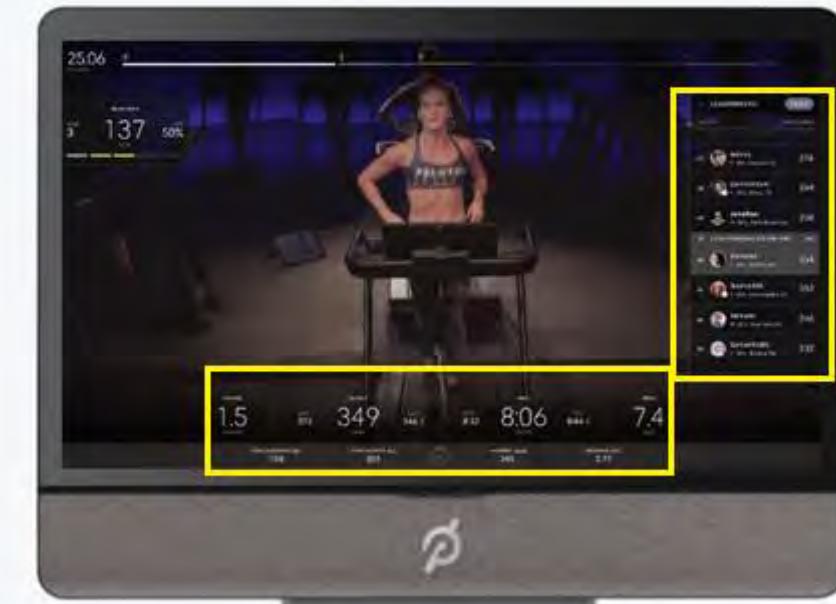
Claim		Accused Instrumentalities
6(d)	logic configured to receive second performance parameters communicated from the remote fitness equipment;	<p>The Accused Instrumentalities include logic configured to receive second performance parameters communicated from the remote fitness equipment. The Accused Instrumentalities receive performance parameters of other customers and/or end users.</p>  <p>“The Peloton Tread” (highlighting added), https://www.onepeloton.com/tread.</p>

Claim		Accused Instrumentalities
6(e)	a display associated with the fitness equipment; and	<p>The Peloton Tread includes a display associated with the fitness equipment. The Peloton Tread is associated with a tablet with a touchscreen display.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

Claim		Accused Instrumentalities
6(f)	logic configured to control the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed.	The Accused Instrumentalities include logic configured to control the display in response to both the first and second performance parameters, such that a performance comparison between the fitness equipment and at least one remote fitness equipment is visually displayed. The touchscreen display of the tablet Peloton Tread is updated to reflect a customer and/or end user's performance parameters and the performance parameters of other customers and/or end users. The touchscreen display visually displays performance comparisons of the performance parameters of the customer and/or end user and the performance parameters of others, including, for example, through a "leaderboard."

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Stream a diverse lineup of 10+ daily live classes on a captivating 32" HD touchscreen. Let the energy of the NYC studio power you as you train live with the Peloton community.



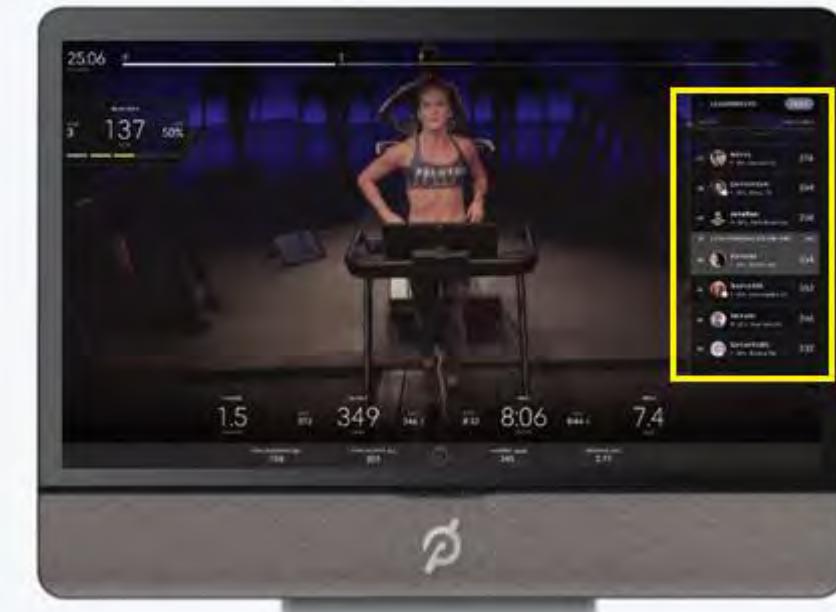
“The Peloton Tread” (highlighting added), <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities								
12	The interactive fitness equipment as defined in claim 6, further including a communication interface.	<p>The Accused Instrumentalities include a communication interface through which data may be communicated to and from the fitness equipment. The Peloton Tread is able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, ANT+, Bluetooth, and ethernet.</p> <table> <tr> <td data-bbox="741 551 946 589">Connection</td> <td data-bbox="1121 551 1854 589">WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna</td> </tr> <tr> <td></td> <td data-bbox="1121 626 1227 664">ANT+</td> </tr> <tr> <td></td> <td data-bbox="1121 701 1290 739">Bluetooth</td> </tr> <tr> <td></td> <td data-bbox="1121 776 1438 816">100 Mbps Ethernet</td> </tr> </table> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p>	Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna		ANT+		Bluetooth		100 Mbps Ethernet
Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna									
	ANT+									
	Bluetooth									
	100 Mbps Ethernet									

Claim		Accused Instrumentalities								
13	<p>The interactive fitness equipment as defined in claim 12, wherein the communication interface includes logic configured to control communication with the remote fitness equipment over a communication link, wherein the communication link includes one selected from the group consisting of: a wireless link, a direct electrical connection, a local-area network, and a wide-area network.</p>	<p>The Accused Instrumentalities include logic configured to control communication with the remote fitness equipment over a communication link wherein the communication link includes one selected from the group consisting of: a wireless link, a direct electrical connection, a local-area network, and a wide-area network. The communication interface of a Peloton Tread includes logic to control communication with a remote Peloton Tread over a communication link, such as a link over a wide-area network, such as the Internet.</p> <table> <tr> <td data-bbox="741 600 946 633">Connection</td> <td data-bbox="1121 600 1854 633">WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna</td> </tr> <tr> <td></td> <td data-bbox="1121 670 1227 703">ANT+</td> </tr> <tr> <td></td> <td data-bbox="1121 740 1290 773">Bluetooth</td> </tr> <tr> <td></td> <td data-bbox="1121 817 1438 850">100 Mbps Ethernet</td> </tr> </table> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p>	Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna		ANT+		Bluetooth		100 Mbps Ethernet
Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna									
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“The Peloton Tread” (highlighting added), <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities
15	The interactive fitness equipment as defined in claim 12, wherein the communication interface is configured to communicate with the remote fitness equipment through at least one intermediate computer.	The communication interface of the Peloton Tread is configured to communicate with another Peloton Tread through at least one intermediate computer, such as a Peloton computer or third-party computer. A third-party computer may be, for example, an internet service provider's (ISP's) computer.

Claim		Accused Instrumentalities						
16 The interactive fitness equipment as defined in claim 6, further including a microphone and logic for communicating an audible input to the microphone to a remote fitness equipment in the form of audio data.		<p>The Accused Instrumentalities include a microphone and logic for communicating an audible input to the microphone to a remote fitness equipment in the form of audio data. A Peloton Tread includes a microphone and can send audio data to another Peloton Tread. For example, audio data may be sent to another Peloton Tread during a video chat session.</p> <table> <tbody> <tr> <td data-bbox="625 483 699 507">Sound</td> <td data-bbox="1005 483 1586 727"> 20 W soundbar with 70Hz to 20KHz frequency response Digital signal processing system for enhanced bass response, voice clarity and overall loudness USB charging for wireless headphones 3.5 mm jack for wired headphones Bluetooth audio-ready for external devices </td> </tr> <tr> <td data-bbox="625 793 751 817">Connection</td> <td data-bbox="1005 793 1459 956"> WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna ANT+ Bluetooth 100 Mbps Ethernet </td> </tr> <tr> <td data-bbox="625 1021 699 1046">Camera</td> <td data-bbox="1005 1021 1258 1046">5 megapixel front-facing</td> </tr> </tbody> </table> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p>	Sound	20 W soundbar with 70Hz to 20KHz frequency response Digital signal processing system for enhanced bass response, voice clarity and overall loudness USB charging for wireless headphones 3.5 mm jack for wired headphones Bluetooth audio-ready for external devices	Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna ANT+ Bluetooth 100 Mbps Ethernet	Camera	5 megapixel front-facing
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Connection	WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna ANT+ Bluetooth 100 Mbps Ethernet							
Camera	5 megapixel front-facing							

Claim		Accused Instrumentalities										
17	<p>The interactive fitness equipment as defined in claim 6, further including a speaker and logic for audibly outputting audio data received from a remote fitness equipment.</p>	<p>The Accused Instrumentalities include speakers and logic for audibly outputting audio data received from a remote fitness equipment. The Peloton Tread) includes speakers and/or headphones, which audibly output audio data received from a remote fitness equipment. For example, audio data may be received from another Peloton Tread and audibly output during a video chat session.</p> <table> <tbody> <tr> <td data-bbox="741 518 846 543">Sound</td> <td data-bbox="1072 518 1586 543">20 W soundbar with 70Hz to 20KHz frequency response</td> </tr> <tr> <td></td> <td data-bbox="1072 556 1854 613">Digital signal processing system for enhanced bass response, voice clarity and overall loudness</td> </tr> <tr> <td></td> <td data-bbox="1072 626 1431 654">USB charging for wireless headphones</td> </tr> <tr> <td></td> <td data-bbox="1072 667 1389 695">3.5 mm jack for wired headphones</td> </tr> <tr> <td></td> <td data-bbox="1072 708 1459 736">Bluetooth audio-ready for external devices</td> </tr> </tbody> </table> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p>	Sound	20 W soundbar with 70Hz to 20KHz frequency response		Digital signal processing system for enhanced bass response, voice clarity and overall loudness		USB charging for wireless headphones		3.5 mm jack for wired headphones		Bluetooth audio-ready for external devices
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	3.5 mm jack for wired headphones											
	Bluetooth audio-ready for external devices											

Claim		Accused Instrumentalities
18	An interactive fitness equipment comprising:	<p>Peloton makes, uses, sells, or offers to sell interactive fitness equipment. The Accused Instrumentalities include at least one operating component, such as a flywheel, belt, or motor, configured to provide an aspect of exercise for a user of the fitness equipment. The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component, a memory for storing course data, and a display. The Accused Instrumentalities also include at least one element selected from the group consisting of:</p> <ul style="list-style-type: none"> (1) logic configured to control an aspect of the at least one operating component based on both the first performance parameters and information from stored course data; (2) logic configured to control the display in response to both the first performance parameters and information from stored course data; (3) logic configured to permit a user to select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory; (4) a communications interface and logic for controlling the download of course data through a communication interface; (5) speech processing logic configured to recognize certain spoken commands and adjust operating parameters of the fitness equipment in response thereto; (6) a communications interface and logic for controlling the download and installation of a software upgrade through a communication interface; and (7) a heart-rate sensor and logic configured to control the display to display a current position of a user in a course defined by the course data, the current position of the user being based upon the first performance parameters, further including logic configured to control the display to display a simulated competitive racer, wherein the position and speed of the competitive racer are based upon a combination of the first performance parameters, an output from the heart-rate sensor, and a target heart rate the user, whereby when the output from the heart-rate sensor exceeds the target heart rate, the speed of the simulated competitive racer is less than the speed measured from the first performance parameters and

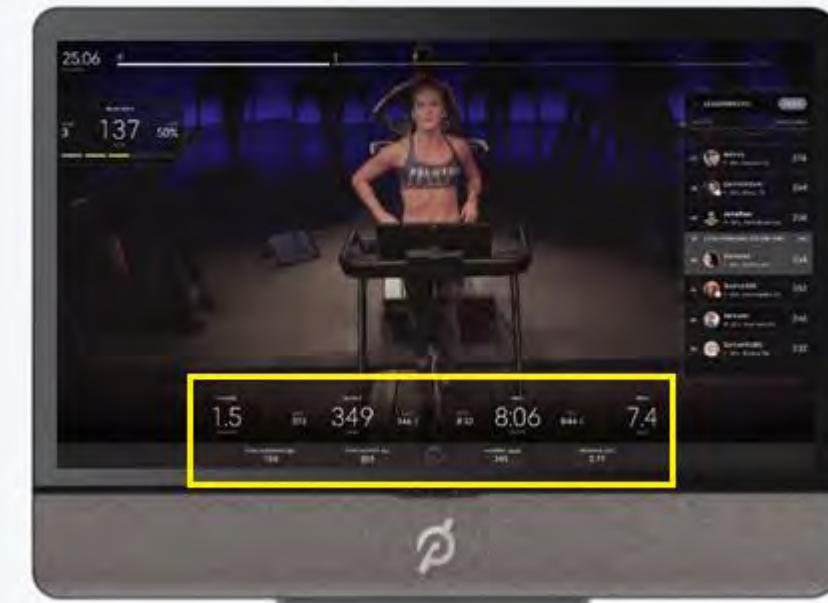
	when the target heart rate exceeds the output from the heart-rate sensor, the speed of the simulated competitive racer is greater than the speed measured from the first performance parameters.
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Claim		Accused Instrumentalities
18(a)	at least one operating component configured to provide an aspect of exercise for a user of the fitness equipment;	<p>The Peloton Tread includes at least one operating component, such as a flywheel, belt, or motor, configured to provide an aspect of exercise for a user of the fitness equipment. For example, the Peloton Tread includes at least a motor and a belt.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

Claim		Accused Instrumentalities
18(b) logic configured to obtain first performance parameters from the at least one operating component;		<p>The Accused Instrumentalities include logic configured to obtain first performance parameters from the at least one operating component.</p>  <p>The image shows a tablet displaying the Peloton Tread app. The top section features a banner with the text "MOTIVATING METRICS" and a subtext: "Track your progress with in-depth, real-time workout metrics, including heart rate and elevation, plus an in-class leaderboard to help you dig deeper." Below the banner, the main screen displays a "Workout History" section on the left and a "Recent Workouts" section on the right. The "Recent Workouts" section lists several completed workouts with their names, times, and heart rate data. On the right side of the screen, there is a large graph titled "HEART RATE" showing a fluctuating line over time, with a color-coded legend below it. The overall interface is clean and modern, designed for tracking fitness progress.</p> <p>"The Peloton Tread," https://www.onepeloton.com/tread.</p>

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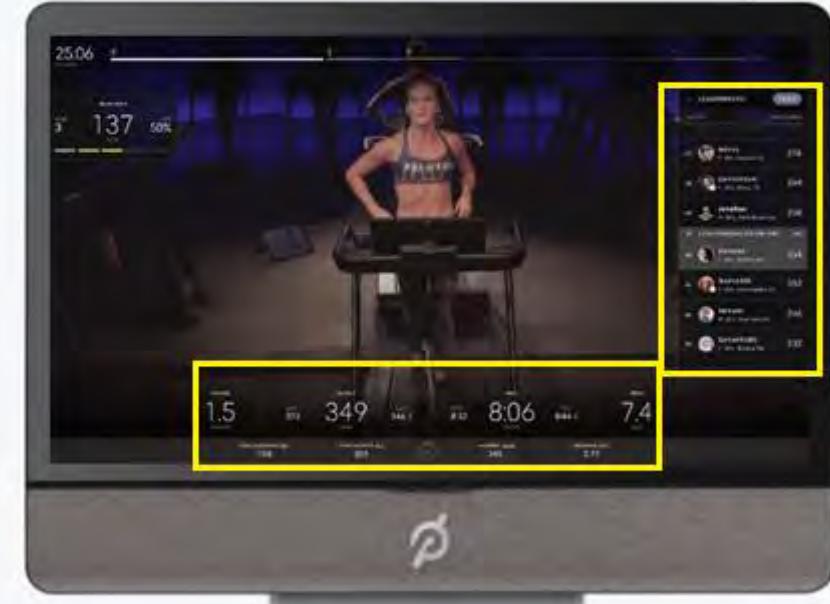


The Peloton Tread™ (highlighting added), <https://www.onepeloton.com/tread>.

Claim		Accused Instrumentalities
18(b)	a memory for storing course data;	<p>The Accused Instrumentalities include a memory for storing course data. The Peloton Tread is associated with a tablet with a memory.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

Claim		Accused Instrumentalities
18(c)	a display; and	<p>The Peloton Tread includes a tablet with a touchscreen display.</p>  <p>“Peloton Tread” (highlighting added), https://www.onepeloton.com/tread/preorder (select the “Gallery” link).</p>

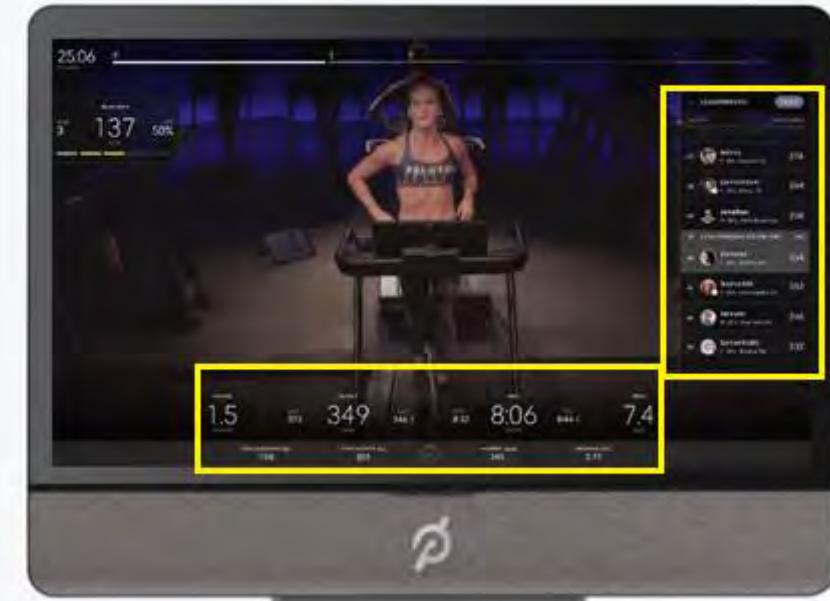
Claim		Accused Instrumentalities
18(d)	<p>at least one element selected from the group consisting of:</p> <ul style="list-style-type: none"> (1) logic configured to control an aspect of the at least one operating component based on both the first performance parameters and information from stored course data; (2) logic configured to control the display in response to both the first performance parameters and information from stored course data; (3) logic configured to permit a user to select at least one competitive racer, the at least one competitive racer 	<p>The Accused Instrumentalities include at least:</p> <p><u>Logic configured to control the display in response to both first performance parameters and information from stored course data</u></p> <p>The Accused Instrumentalities include logic configured to control the display in response to both the first and second performance parameters and information stored from course data. The touchscreen display of the tablet Peloton Tread is updated to reflect a customer and/or end user's performance parameters and the performance parameters of other customers and/or end users. The touchscreen display visually displays performance comparisons of the performance parameters of the customer and/or end user and the performance parameters of others, including, for example, through a "leaderboard."</p>

<p>being defined by data stored in a memory;</p> <p>(4) a communications interface and logic for controlling the download of course data through a communication interface;</p> <p>(5) speech processing logic configured to recognize certain spoken commands and adjust operating parameters of the fitness equipment in response thereto;</p> <p>(6) a communications interface and logic for controlling the download and installation of a software upgrade through a communication interface; and</p>	<p>EMPOWERING STUDIO ATMOSPHERE</p> <p>Stream a diverse lineup of 10+ daily live classes on a captivating 32" HD touchscreen. Let the energy of the NYC studio power you as you train live with the Peloton community.</p>  <p>"The Peloton Tread" (highlighting added), https://www.onepeloton.com/tread.</p> <p><u>Logic configured to permit a user to select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory</u></p> <p>The Accused Instrumentalities include logic configured to permit a user to select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory. The touchscreen display of the Peloton Tread allows a customer and/or end user to select others to compete with.</p>
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(7) a heart-rate sensor and logic configured to control the display to display a current position of a user in a course defined by the course data, the current position of the user being based upon the first performance parameters, further including logic configured to control the display to display a simulated competitive racer, wherein the position and speed of the competitive racer are based upon a combination of the first performance parameters, an output from the heart-rate sensor, and a target heart rate the user, whereby when the output from the heart-

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“The Peloton Tread” (highlighting added), <https://www.onepeloton.com/tread>.

A communications interface and logic for controlling the download of course data through a communication interface

The Accused Instrumentalities include a communications interface through which course data may be downloaded to the fitness equipment. The Peloton Tread is able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, ANT+, Bluetooth, and ethernet.

<p>rate sensor exceeds the target heart rate, the speed of the simulated competitive racer is less than the speed measured from the first performance parameters and when the target heart rate exceeds the output from the heart-rate sensor, the speed of the simulated competitive racer is greater than the speed measured from the first performance parameters.</p>	<p>Connection</p> <p>WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna ANT+ Bluetooth 100 Mbps Ethernet</p> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p> <p><u>A communications interface and logic for controlling the download and installation of a software upgrade through a communication interface</u></p> <p>The Accused Instrumentalities include a communications interface and logic for controlling the download and installation of a software upgrade through a communication interface. The Peloton Tread is able to communicate using IEEE 802.11 a/b/g/n/ac Wi-Fi, ANT+, Bluetooth, and ethernet.</p> <p>Connection</p> <p>WiFi 802.11 a/b/g/n/ac, MIMO 2x2 Antenna ANT+ Bluetooth 100 Mbps Ethernet</p> <p>“Technology,” https://www.onepeloton.com/tread/preorder.</p>
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Claim		Accused Instrumentalities
19	<p>The interactive fitness equipment as defined in claim 18, having at least three elements selected from the group consisting of:</p> <ul style="list-style-type: none"> (1) logic configured to control an aspect of the at least one operating component based on both the first performance parameters and information from stored course data; (2) logic configured to control the display in response to both the first performance parameters and information from stored course data; (3) logic configured to permit a user to 	<p><i>See claim 18(d).</i></p>

	<p>select at least one competitive racer, the at least one competitive racer being defined by data stored in a memory;</p> <p>(4) a communications interface and logic for controlling the download of course data through a communication interface;</p> <p>(5) speech processing logic configured to recognize certain spoken commands and adjust operating parameters of the fitness equipment in response thereto;</p> <p>(6) a communications interface and logic for controlling the download and installation of a software upgrade</p>
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	<p>through a communication interface; and</p> <p>(7) a heart-rate sensor and logic configured to control the display to display a current position of a user in a course defined by the course data, the current position of the user being based upon the first performance parameters, further including logic configured to control the display to display a simulated competitive racer, wherein the position and speed of the competitive racer are based upon a combination of the first performance parameters, an output from the heart-rate</p>
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	<p>sensor, and a target heart rate the user, whereby when the output from the heart-rate sensor exceeds the target heart rate, the speed of the simulated competitive racer is less than the speed measured from the first performance parameters and when the target heart rate exceeds the output from the heart-rate sensor, the speed of the simulated competitive racer is greater than the speed measured from the first performance parameters.</p>
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